

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060128.D
 Acq On : 4 Oct 2018 13:03
 Operator : VA/AP
 Sample : VD1004SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:21 PM

Quant Time: Oct 04 15:45:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1530462	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2156766	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1740869	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	923207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	599683	51.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	6.31	113	818016	49.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	9.45	98	2254044	48.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.43	95	860284	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	282475	19.621	ug/l 100
3) Chloromethane	1.75	50	289569	22.306	ug/l 99
4) Vinyl Chloride	1.85	62	227101	21.376	ug/l 100
5) Bromomethane	2.12	94	23710	17.774	ug/l 86
6) Chloroethane	2.23	64	56264	19.407	ug/l 95
7) Trichlorofluoromethane	2.50	101	272165	21.395	ug/l 98
8) Diethyl Ether	2.82	74	57720	22.066	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.08	101	177422	22.388	ug/l 97
10) Methyl Iodide	3.23	142	169070	20.118	ug/l 98
11) Tert butyl alcohol	3.96	59	73601	88.461	ug/l 96
12) 1,1-Dichloroethene	3.06	96	143603	23.002	ug/l 95
13) Acrolein	2.97	56	49775	97.047	ug/l 96
14) Allyl chloride	3.52	41	284126	21.912	ug/l 100
15) Acrylonitrile	4.08	53	354917	103.059	ug/l 96
16) Acetone	3.16	43	236461	112.329	ug/l 97
17) Carbon Disulfide	3.30	76	465743	22.184	ug/l 99
18) Methyl Acetate	3.55	43	92112	20.359	ug/l 100
19) Methyl tert-butyl Ether	4.11	73	578031	21.058	ug/l 98
20) Methylene Chloride	3.71	84	386036	20.785	ug/l 96
21) trans-1,2-Dichloroethene	4.09	96	338978	21.023	ug/l 97
22) Diisopropyl ether	4.85	45	1241857	21.446	ug/l 98
23) Vinyl Acetate	4.80	43	3445476	105.852	ug/l 99
24) 1,1-Dichloroethane	4.75	63	557043	21.216	ug/l 99
25) 2-Butanone	5.62	43	595438	113.223	ug/l 99
26) 2,2-Dichloropropane	5.58	77	447089	22.462	ug/l 95
27) cis-1,2-Dichloroethene	5.59	96	360228	21.086	ug/l 89
28) Bromochloromethane	5.92	49	260874	20.446	ug/l 96
29) Tetrahydrofuran	5.95	42	314351	102.908	ug/l 99
30) Chloroform	6.10	83	573440	21.591	ug/l 97
31) Cyclohexane	6.36	56	528574	21.031	ug/l 99
32) 1,1,1-Trichloroethane	6.28	97	469723	21.587	ug/l 99
36) 1,1-Dichloropropene	6.52	75	433227	21.020	ug/l 99
37) Ethyl Acetate	5.69	43	261936	19.147	ug/l 99
38) Carbon Tetrachloride	6.49	117	391815	20.946	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060128.D
 Acq On : 4 Oct 2018 13:03
 Operator : VA/AP
 Sample : VD1004SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:21 PM

Quant Time: Oct 04 15:45:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	497750	21.256	ug/l	99
40) Benzene	6.79	78	1116719	20.711	ug/l	99
41) Methacrylonitrile	5.93	41	153406m	19.840	ug/l	
42) 1,2-Dichloroethane	6.89	62	308897	19.983	ug/l	98
43) Isopropyl Acetate	8.35	43	352127	19.565	ug/l #	100
44) Trichloroethene	7.74	130	340792	20.418	ug/l	99
45) 1,2-Dichloropropane	8.10	63	297061	21.041	ug/l	99
46) Dibromomethane	8.21	93	185617	20.307	ug/l	97
47) Bromodichloromethane	8.49	83	410075	21.056	ug/l	99
48) Methyl methacrylate	8.24	41	205512	20.047	ug/l	98
49) 1,4-Dioxane	8.22	88	39371	390.321	ug/l	93
51) 4-Methyl-2-Pentanone	9.35	43	1151835	101.469	ug/l	98
52) Toluene	9.55	92	710054	20.448	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	362759	20.585	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	440970	20.264	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	235582	20.752	ug/l	99
56) Ethyl methacrylate	10.03	69	255308	20.374	ug/l	97
57) 1,3-Dichloropropane	10.38	76	356587	20.596	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	727546	104.552	ug/l	98
59) 2-Hexanone	10.49	43	853863	104.605	ug/l	98
60) Dibromochloromethane	10.64	129	280202	20.117	ug/l	99
61) 1,2-Dibromoethane	10.76	107	241063	19.985	ug/l	100
64) Tetrachloroethene	10.25	164	309892	20.324	ug/l	97
65) Chlorobenzene	11.31	112	793265	21.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	267811	21.316	ug/l	97
67) Ethyl Benzene	11.43	91	1358517	22.264	ug/l	99
68) m/p-Xylenes	11.57	106	1002044	43.952	ug/l	97
69) o-Xylene	11.93	106	484834	21.500	ug/l	96
70) Styrene	11.95	104	798666	21.178	ug/l	97
71) Bromoform	12.12	173	199979	19.657	ug/l #	97
73) Isopropylbenzene	12.28	105	1263943	20.752	ug/l	99
74) N-amyl acetate	12.13	43	457790	20.520	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	270944	20.377	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	265285	19.953	ug/l	99
77) Bromobenzene	12.54	156	367985	20.792	ug/l	89
78) n-propylbenzene	12.64	91	1645602	21.760	ug/l	97
79) 2-Chlorotoluene	12.71	91	870806	20.747	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1023848	21.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72808	19.489	ug/l	95
82) 4-Chlorotoluene	12.81	91	1048579	22.087	ug/l	97
83) tert-Butylbenzene	13.05	119	1166388	21.563	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1084012	21.820	ug/l	98
85) sec-Butylbenzene	13.22	105	1380366	21.582	ug/l	100
86) p-Isopropyltoluene	13.34	119	1177637	22.449	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	662530	21.486	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	662511	21.390	ug/l	98
89) n-Butylbenzene	13.65	91	1154248	22.550	ug/l	98
90) Hexachloroethane	13.86	117	258620	21.302	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	561297	21.648	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.23	75	34882	19.648	ug/l	83

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100418\
Data File : VD060128.D
Acq On : 4 Oct 2018 13:03
Operator : VA/AP
Sample : VD1004SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:21 PM

Quant Time: Oct 04 15:45:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	446060	20.269	ug/l	98
94) Hexachlorobutadiene	14.88	225	299442	20.470	ug/l	99
95) Naphthalene	14.96	128	630466	19.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	380617	19.882	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060128.D
 Acq On : 4 Oct 2018 13:03
 Operator : VA/AP
 Sample : VD1004SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:21 PM

Quant Time: Oct 04 15:45:32 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

