

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067207.D
 Acq On : 09 Oct 2020 13:11
 Operator : VA/SY
 Sample : VD1009SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:42:31 AM

Quant Time: Oct 10 00:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	337248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	511292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	470212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	164737	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.91	113	173426	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	623659	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.64	95	227178	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72236	24.032	ug/l	94
3) Chloromethane	2.20	50	48398	18.020	ug/l	93
4) Vinyl Chloride	2.34	62	51831	19.246	ug/l	98
5) Bromomethane	2.76	94	37653	19.007	ug/l	100
6) Chloroethane	2.92	64	31302	19.086	ug/l #	87
7) Trichlorofluoromethane	3.27	101	126840	21.199	ug/l	97
8) Diethyl Ether	3.71	74	28395	19.138	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	66558	19.681	ug/l	98
10) Methyl Iodide	4.30	142	59216	18.021	ug/l	97
11) Tert butyl alcohol	5.22	59	28292	124.153	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	60321	18.974	ug/l	98
13) Acrolein	3.93	56	17026	78.277	ug/l	96
14) Allyl chloride	4.71	41	68774	16.652	ug/l	92
15) Acrylonitrile	5.42	53	51966	95.163	ug/l	95
16) Acetone	4.16	43	50002	100.838	ug/l	92
17) Carbon Disulfide	4.40	76	176475	18.088	ug/l	99
18) Methyl Acetate	4.72	43	23530	18.880	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	124390	21.433	ug/l	97
20) Methylene Chloride	4.96	84	78998	17.759	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	70741	19.553	ug/l	94
22) Diisopropyl ether	6.37	45	139744	18.534	ug/l #	95
23) Vinyl Acetate	6.30	43	384422	89.974	ug/l	98
24) 1,1-Dichloroethane	6.26	63	108790	18.696	ug/l	97
25) 2-Butanone	7.21	43	61972	88.151	ug/l	90
26) 2,2-Dichloropropane	7.21	77	109434	19.475	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	76944	19.913	ug/l	98
28) Bromochloromethane	7.54	49	40290	17.929	ug/l	88
29) Tetrahydrofuran	7.56	42	36566	90.458	ug/l	93
30) Chloroform	7.71	83	131105	20.770	ug/l	99
31) Cyclohexane	7.99	56	81760	16.760	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	123766	21.157	ug/l	97
36) 1,1-Dichloropropene	8.11	75	96104	20.165	ug/l	98
37) Ethyl Acetate	7.30	43	31153	18.869	ug/l	96
38) Carbon Tetrachloride	8.10	117	119051	23.087	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067207.D
 Acq On : 09 Oct 2020 13:11
 Operator : VA/SY
 Sample : VD1009SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:42:31 AM

Quant Time: Oct 10 00:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	99066	19.661	ug/l	96
40) Benzene	8.35	78	264049	19.947	ug/l	95
41) Methacrylonitrile	7.53	41	16724	18.750	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	82691	22.355	ug/l	96
43) Isopropyl Acetate	8.45	43	58955	19.383	ug/l	98
44) Trichloroethene	9.11	130	83346	21.085	ug/l	100
45) 1,2-Dichloropropane	9.38	63	61985	19.929	ug/l	100
46) Dibromomethane	9.47	93	36125	20.208	ug/l	92
47) Bromodichloromethane	9.66	83	100153	21.553	ug/l #	95
48) Methyl methacrylate	9.46	41	27755	17.812	ug/l #	74
49) 1,4-Dioxane	9.46	88	8178	438.332	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	148097	97.756	ug/l	98
52) Toluene	10.40	92	184232	21.605	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	90062	21.686	ug/l #	87
54) cis-1,3-Dichloropropene	10.09	75	105826	20.868	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	52500	21.124	ug/l	92
56) Ethyl methacrylate	10.66	69	54072	21.073	ug/l	96
57) 1,3-Dichloropropane	10.95	76	82831	20.552	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	138410	96.914	ug/l	95
59) 2-Hexanone	10.98	43	98755	97.666	ug/l	94
60) Dibromochloromethane	11.14	129	75247	22.716	ug/l	96
61) 1,2-Dibromoethane	11.25	107	52761	22.097	ug/l	99
64) Tetrachloroethene	10.88	164	74438	21.775	ug/l	94
65) Chlorobenzene	11.67	112	200798	21.471	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	80249	22.559	ug/l	97
67) Ethyl Benzene	11.75	91	345841	21.583	ug/l	97
68) m/p-Xylenes	11.86	106	272056	43.566	ug/l	99
69) o-Xylene	12.18	106	122688	21.970	ug/l	95
70) Styrene	12.20	104	212743	22.186	ug/l	99
71) Bromoform	12.36	173	41795	22.634	ug/l #	99
73) Isopropylbenzene	12.48	105	346433	21.450	ug/l	99
74) N-amyl acetate	12.29	43	52765	18.174	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	54628	20.076	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	39706m	19.165	ug/l	
77) Bromobenzene	12.77	156	85089	21.819	ug/l	93
78) n-propylbenzene	12.83	91	397663	20.834	ug/l	99
79) 2-Chlorotoluene	12.91	91	229421	21.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	295352	21.645	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16961	20.411	ug/l	98
82) 4-Chlorotoluene	13.01	91	245875	21.162	ug/l	99
83) tert-Butylbenzene	13.23	119	248452	21.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	293500	21.553	ug/l	97
85) sec-Butylbenzene	13.41	105	335599	20.740	ug/l	99
86) p-Isopropyltoluene	13.52	119	322939	21.526	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	160305	21.104	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	162050	21.336	ug/l	97
89) n-Butylbenzene	13.85	91	283301	20.663	ug/l	99
90) Hexachloroethane	14.12	117	54876	20.882	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	138089	20.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9394	21.416	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
Data File : VD067207.D
Acq On : 09 Oct 2020 13:11
Operator : VA/SY
Sample : VD1009SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Manual Integrations
APPROVED

apatel
10/12/2020 10:42:31 AM

Quant Time: Oct 10 00:28:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94017	21.910	ug/l	98
94) Hexachlorobutadiene	15.28	225	57146	21.685	ug/l	98
95) Naphthalene	15.41	128	149591	20.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	83060	22.298	ug/l	99

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

