

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060169.D
 Acq On : 10 Oct 2018 12:17
 Operator : VA/AP
 Sample : VD1010SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Manual Integrations
 APPROVED

apatel
 10/11/2018 4:24:27 PM

Quant Time: Oct 11 01:22:57 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	6.39	168	1498641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2059151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1670943	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	924960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	613663	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	6.30	113	839029	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	9.44	98	2278603	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.42	95	878163	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	272639m	19.340	ug/l
3) Chloromethane	1.74	50	267870	21.073	ug/l
4) Vinyl Chloride	1.83	62	209330	20.122	ug/l
5) Bromomethane	2.12	94	17923	13.721	ug/l
6) Chloroethane	2.23	64	46702	16.451	ug/l
7) Trichlorofluoromethane	2.48	101	241101	19.356	ug/l
8) Diethyl Ether	2.81	74	55840	21.801	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.06	101	159680	20.577	ug/l
10) Methyl Iodide	3.22	142	139318	16.929	ug/l
11) Tert butyl alcohol	3.96	59	86104	105.686	ug/l
12) 1,1-Dichloroethene	3.04	96	130563	21.357	ug/l
13) Acrolein	2.96	56	42093	83.812	ug/l
14) Allyl chloride	3.51	41	264518	20.833	ug/l
15) Acrylonitrile	4.06	53	371122	110.053	ug/l
16) Acetone	3.14	43	268086	130.057	ug/l
17) Carbon Disulfide	3.29	76	406635	19.780	ug/l
18) Methyl Acetate	3.53	43	93828	21.178	ug/l
19) Methyl tert-butyl Ether	4.11	73	593563	22.083	ug/l
20) Methylene Chloride	3.69	84	593135	35.292	ug/l
21) trans-1,2-Dichloroethene	4.07	96	328009	20.775	ug/l
22) Diisopropyl ether	4.83	45	1247574	22.002	ug/l
23) Vinyl Acetate	4.78	43	3649270	114.493	ug/l
24) 1,1-Dichloroethane	4.74	63	562727	21.888	ug/l
25) 2-Butanone	5.60	43	644146	125.086	ug/l
26) 2,2-Dichloropropane	5.56	77	442756	22.717	ug/l
27) cis-1,2-Dichloroethene	5.57	96	357122	21.348	ug/l
28) Bromochloromethane	5.91	49	267798	21.435	ug/l
29) Tetrahydrofuran	5.94	42	331213	110.730	ug/l
30) Chloroform	6.08	83	554440	21.319	ug/l
31) Cyclohexane	6.35	56	508477	20.661	ug/l
32) 1,1,1-Trichloroethane	6.27	97	462528	21.708	ug/l
36) 1,1-Dichloropropene	6.51	75	421995	21.446	ug/l
37) Ethyl Acetate	5.68	43	284154	21.756	ug/l
38) Carbon Tetrachloride	6.48	117	371221	20.786	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468845	20.971	ug/l	98
40) Benzene	6.77	78	1102943	21.425	ug/l	99
41) Methacrylonitrile	5.92	41	163330m	22.125	ug/l	
42) 1,2-Dichloroethane	6.87	62	321833	21.806	ug/l	99
43) Isopropyl Acetate	8.34	43	360545	20.983	ug/l #	99
44) Trichloroethene	7.73	130	333640	20.937	ug/l	98
45) 1,2-Dichloropropane	8.09	63	293244	21.755	ug/l	99
46) Dibromomethane	8.20	93	184487	21.141	ug/l	94
47) Bromodichloromethane	8.47	83	410263	22.064	ug/l	100
48) Methyl methacrylate	8.23	41	210429	21.499	ug/l	97
49) 1,4-Dioxane	8.22	88	41281	428.658	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	1229566	113.452	ug/l	97
52) Toluene	9.54	92	708036	21.356	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	380051	22.589	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	455826	21.940	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	233556	21.549	ug/l	98
56) Ethyl methacrylate	10.02	69	254434	21.266	ug/l	97
57) 1,3-Dichloropropane	10.37	76	368112	22.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	755974	113.787	ug/l	95
59) 2-Hexanone	10.48	43	946615	121.466	ug/l	99
60) Dibromochloromethane	10.63	129	283552	21.323	ug/l	97
61) 1,2-Dibromoethane	10.75	107	248594	21.587	ug/l	98
64) Tetrachloroethene	10.25	164	308371	21.071	ug/l	96
65) Chlorobenzene	11.31	112	762073	21.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	270169	22.404	ug/l	98
67) Ethyl Benzene	11.42	91	1349016	23.033	ug/l	98
68) m/p-Xylenes	11.55	106	999617	45.680	ug/l	95
69) o-Xylene	11.93	106	475667	21.976	ug/l	96
70) Styrene	11.95	104	815611	22.532	ug/l	99
71) Bromoform	12.11	173	212722	21.784	ug/l	99
73) Isopropylbenzene	12.27	105	1315963	21.566	ug/l	100
74) N-amyl acetate	12.13	43	481400	21.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	285533	21.433	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	282178	21.184	ug/l	98
77) Bromobenzene	12.54	156	376114	21.211	ug/l	85
78) n-propylbenzene	12.63	91	1640806	21.655	ug/l	98
79) 2-Chlorotoluene	12.70	91	904362	21.505	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1045262	22.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	79090	21.131	ug/l	97
82) 4-Chlorotoluene	12.80	91	1059388	22.272	ug/l	98
83) tert-Butylbenzene	13.04	119	1149372	21.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1053219	21.160	ug/l	98
85) sec-Butylbenzene	13.22	105	1411415	22.026	ug/l	98
86) p-Isopropyltoluene	13.34	119	1137667	21.646	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	675385	21.861	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	663789	21.391	ug/l	99
89) n-Butylbenzene	13.64	91	1195073	23.303	ug/l	99
90) Hexachloroethane	13.86	117	259414	21.327	ug/l	59
91) 1,2-Dichlorobenzene	13.65	146	588788	22.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40021	22.499	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474840	21.536	ug/l	98
94) Hexachlorobutadiene	14.87	225	309229	21.099	ug/l	98
95) Naphthalene	14.96	128	668427	20.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	404151	21.071	ug/l	98

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

