

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060634.D
 Acq On : 19 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1219SDBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SDBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 12:00:08 PM

Quant Time: Dec 20 00:58:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1583940	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2132331	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1771453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913623	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	578044	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
35) Dibromofluoromethane	6.33	113	822567	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
50) Toluene-d8	9.45	98	2254428	49.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.42	95	850980	52.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	409579	23.717	ug/l	97
3) Chloromethane	1.78	50	370590	22.772	ug/l	100
4) Vinyl Chloride	1.87	62	304565	23.449	ug/l	97
5) Bromomethane	2.17	94	51755	15.928	ug/l	90
6) Chloroethane	2.28	64	73687	16.440	ug/l	98
7) Trichlorofluoromethane	2.52	101	337046	22.474	ug/l	99
8) Diethyl Ether	2.85	74	60990	23.545	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.10	101	229377	23.572	ug/l	98
10) Methyl Iodide	3.26	142	247379	21.749	ug/l	99
11) Tert butyl alcohol	4.00	59	43513	95.399	ug/l	99
12) 1,1-Dichloroethene	3.09	96	182191	23.012	ug/l	92
13) Acrolein	3.00	56	41369	83.005	ug/l	98
14) Allyl chloride	3.55	41	363060	24.170	ug/l	98
15) Acrylonitrile	4.11	53	278735	107.625	ug/l	98
16) Acetone	3.18	43	192304	106.861	ug/l	97
17) Carbon Disulfide	3.33	76	556722	21.648	ug/l	100
18) Methyl Acetate	3.57	43	96513	22.566	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	474200	21.598	ug/l	100
20) Methylene Chloride	3.73	84	393596	21.248	ug/l	95
21) trans-1,2-Dichloroethene	4.12	96	361897	21.014	ug/l	96
22) Diisopropyl ether	4.86	45	1165049	21.603	ug/l	99
23) Vinyl Acetate	4.81	43	2876966	107.669	ug/l	99
24) 1,1-Dichloroethane	4.77	63	606181	21.636	ug/l	100
25) 2-Butanone	5.63	43	375026	105.924	ug/l	98
26) 2,2-Dichloropropane	5.59	77	477664	22.069	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	371980	21.244	ug/l	98
28) Bromochloromethane	5.94	49	229713	18.508	ug/l	98
29) Tetrahydrofuran	5.97	42	214810	107.142	ug/l	99
30) Chloroform	6.11	83	616772	21.851	ug/l	98
31) Cyclohexane	6.37	56	571978	21.706	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	498732	21.493	ug/l	99
36) 1,1-Dichloropropene	6.53	75	466144	22.364	ug/l	97
37) Ethyl Acetate	5.71	43	201637	22.307	ug/l	99
38) Carbon Tetrachloride	6.51	117	421041	22.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	537538	22.623	ug/l	97
40) Benzene	6.80	78	1241113	23.299	ug/l	98
41) Methacrylonitrile	5.93	41	71683m	14.711	ug/l	
42) 1,2-Dichloroethane	6.90	62	307473	22.702	ug/l	99
43) Isopropyl Acetate	8.35	43	240483	21.552	ug/l #	98
44) Trichloroethene	7.74	130	361097	22.683	ug/l	98
45) 1,2-Dichloropropane	8.10	63	297108	22.552	ug/l	100
46) Dibromomethane	8.22	93	166713	21.902	ug/l	97
47) Bromodichloromethane	8.49	83	411802	22.801	ug/l	97
48) Methyl methacrylate	8.25	41	144809	21.933	ug/l	95
49) 1,4-Dioxane	8.23	88	26928	450.005	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	772123	111.240	ug/l	100
52) Toluene	9.55	92	739704	22.217	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	342347	23.068	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	445052	22.825	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	203479	21.946	ug/l	96
56) Ethyl methacrylate	10.03	69	192107	22.894	ug/l	99
57) 1,3-Dichloropropane	10.38	76	328267	22.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	580865	115.691	ug/l	99
59) 2-Hexanone	10.48	43	538567	111.008	ug/l	99
60) Dibromochloromethane	10.64	129	267376	23.065	ug/l	98
61) 1,2-Dibromoethane	10.76	107	211981	22.434	ug/l	97
64) Tetrachloroethene	10.25	164	329175	20.985	ug/l	98
65) Chlorobenzene	11.31	112	827214	22.073	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	270769	22.416	ug/l	99
67) Ethyl Benzene	11.43	91	1424503	22.285	ug/l	100
68) m/p-Xylenes	11.57	106	1067175	45.126	ug/l	98
69) o-Xylene	11.93	106	492538	21.854	ug/l	89
70) Styrene	11.95	104	789864	21.834	ug/l	94
71) Bromoform	12.12	173	171419	21.271	ug/l	99
73) Isopropylbenzene	12.27	105	1361597	21.061	ug/l	98
74) N-amyl acetate	12.13	43	321769	20.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	225296	21.767	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	219144	21.169	ug/l	99
77) Bromobenzene	12.54	156	359935	21.180	ug/l	94
78) n-propylbenzene	12.64	91	1799839	22.023	ug/l	99
79) 2-Chlorotoluene	12.71	91	960894	21.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	1099929	22.265	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	59427	20.583	ug/l	98
82) 4-Chlorotoluene	12.81	91	1101368	22.112	ug/l	92
83) tert-Butylbenzene	13.04	119	1241259	22.409	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1092582	21.359	ug/l	98
85) sec-Butylbenzene	13.22	105	1504711	21.796	ug/l	96
86) p-Isopropyltoluene	13.34	119	1247277	22.791	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	674735	21.929	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654965	21.698	ug/l	97
89) n-Butylbenzene	13.64	91	1318930	21.793	ug/l	97
90) Hexachloroethane	13.86	117	293021	21.355	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	561574	22.333	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26247	20.929	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	424503	21.596	ug/l	98
94) Hexachlorobutadiene	14.88	225	308512	21.272	ug/l	99
95) Naphthalene	14.97	128	483970	20.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	335994	21.452	ug/l	96

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

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