

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060111.D
 Acq On : 2 Oct 2018 12:52
 Operator : VA/AP
 Sample : VD1002SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

Manual Integrations
 APPROVED

apatel
 10/3/2018 12:59:56 PM

Quant Time: Oct 03 01:22:44 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	1585104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2262430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1836064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	957015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	633636	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	6.30	113	885412	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	9.44	98	2491063	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.42	95	942128	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	285840m	19.170	ug/l
3) Chloromethane	1.74	50	296632	22.062	ug/l
4) Vinyl Chloride	1.84	62	230492	20.948	ug/l
5) Bromomethane	2.12	94	22916	16.586	ug/l
6) Chloroethane	2.22	64	51097	17.017	ug/l
7) Trichlorofluoromethane	2.48	101	259543	19.700	ug/l
8) Diethyl Ether	2.81	74	54932	20.276	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.07	101	169703	20.676	ug/l
10) Methyl Iodide	3.22	142	152042	17.468	ug/l
11) Tert butyl alcohol	3.95	59	86180	100.009	ug/l
12) 1,1-Dichloroethene	3.05	96	134848	20.855	ug/l
13) Acrolein	2.97	56	58580	110.277	ug/l
14) Allyl chloride	3.51	41	283182	21.087	ug/l
15) Acrylonitrile	4.06	53	367450	103.020	ug/l
16) Acetone	3.15	43	238233	109.270	ug/l
17) Carbon Disulfide	3.29	76	451035	20.743	ug/l
18) Methyl Acetate	3.53	43	89369	19.071	ug/l
19) Methyl tert-butyl Ether	4.10	73	577694	20.320	ug/l
20) Methylene Chloride	3.70	84	387888	20.024	ug/l
21) trans-1,2-Dichloroethene	4.07	96	345391	20.682	ug/l
22) Diisopropyl ether	4.84	45	1287523	21.468	ug/l
23) Vinyl Acetate	4.79	43	3636403	107.866	ug/l
24) 1,1-Dichloroethane	4.73	63	564959	20.776	ug/l
25) 2-Butanone	5.61	43	578687	106.245	ug/l
26) 2,2-Dichloropropane	5.57	77	435579	21.129	ug/l
27) cis-1,2-Dichloroethene	5.58	96	368719	20.839	ug/l
28) Bromochloromethane	5.91	49	261478	19.787	ug/l
29) Tetrahydrofuran	5.94	42	315502	99.724	ug/l
30) Chloroform	6.09	83	583889	21.227	ug/l
31) Cyclohexane	6.34	56	525364	20.182	ug/l
32) 1,1,1-Trichloroethane	6.27	97	471417	20.918	ug/l
36) 1,1-Dichloropropene	6.50	75	434487	20.097	ug/l
37) Ethyl Acetate	5.68	43	284987	19.859	ug/l
38) Carbon Tetrachloride	6.48	117	387484	19.747	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	504401	20.534	ug/l	100
40) Benzene	6.78	78	1127722	19.939	ug/l	100
41) Methacrylonitrile	5.90	41	124765m	15.382	ug/l	
42) 1,2-Dichloroethane	6.88	62	324597	20.017	ug/l	99
43) Isopropyl Acetate	8.34	43	373538	19.786	ug/l #	99
44) Trichloroethene	7.72	130	342555	19.565	ug/l	99
45) 1,2-Dichloropropane	8.09	63	295505	19.953	ug/l	98
46) Dibromomethane	8.20	93	189625	19.777	ug/l	97
47) Bromodichloromethane	8.48	83	414713	20.300	ug/l	100
48) Methyl methacrylate	8.23	41	219162	20.380	ug/l	95
49) 1,4-Dioxane	8.22	88	43343	409.631	ug/l	94
51) 4-Methyl-2-Pentanone	9.34	43	1200516	100.818	ug/l	97
52) Toluene	9.54	92	730539	20.055	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	376917	20.390	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	465341	20.385	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	238272	20.009	ug/l	97
56) Ethyl methacrylate	10.02	69	261569	19.898	ug/l	99
57) 1,3-Dichloropropane	10.37	76	353218	19.448	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	737229	100.996	ug/l	98
59) 2-Hexanone	10.48	43	890886	104.044	ug/l	98
60) Dibromochloromethane	10.63	129	290939	19.913	ug/l	96
61) 1,2-Dibromoethane	10.75	107	251710	19.893	ug/l	99
64) Tetrachloroethene	10.24	164	325323	20.230	ug/l	96
65) Chlorobenzene	11.30	112	794927	20.013	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	280631	21.178	ug/l	99
67) Ethyl Benzene	11.42	91	1410885	21.923	ug/l	100
68) m/p-Xylenes	11.56	106	1044187	43.426	ug/l	97
69) o-Xylene	11.92	106	483410	20.325	ug/l	89
70) Styrene	11.95	104	829080	20.845	ug/l	99
71) Bromoform	12.11	173	207813	19.368	ug/l	99
73) Isopropylbenzene	12.27	105	1344751	21.299	ug/l	97
74) N-amyl acetate	12.13	43	471814	20.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	274868	19.942	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	282142	20.471	ug/l	98
77) Bromobenzene	12.53	156	372242	20.289	ug/l	94
78) n-propylbenzene	12.63	91	1704994	21.748	ug/l	98
79) 2-Chlorotoluene	12.70	91	924423	21.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1044748	21.380	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	77076	19.903	ug/l	98
82) 4-Chlorotoluene	12.80	91	1078075	21.906	ug/l	91
83) tert-Butylbenzene	13.05	119	1181871	21.077	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	1064819	20.676	ug/l	96
85) sec-Butylbenzene	13.21	105	1429388	21.559	ug/l	97
86) p-Isopropyltoluene	13.34	119	1130308	20.785	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	648980	20.303	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	660699	20.578	ug/l	97
89) n-Butylbenzene	13.65	91	1186712	22.365	ug/l	99
90) Hexachloroethane	13.85	117	266747	21.195	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	589688	21.940	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	37232	20.230	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	474710	20.809	ug/l	94
94) Hexachlorobutadiene	14.88	225	308520	20.345	ug/l	98
95) Naphthalene	14.96	128	690277	20.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	406595	20.488	ug/l	98

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

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