

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\
 Data File : VD060261.D
 Acq On : 1 Nov 2018 14:41
 Operator : VA/AP
 Sample : VD1101SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Manual Integrations
 APPROVED

apatel
 11/5/2018 1:21:12 PM

Quant Time: Nov 01 16:58:42 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	6.41	168	1430265	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	1990934	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1605430	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	876829	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	563264	51.95	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	6.32	113	771962	51.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	9.46	98	2093750	48.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.44	95	818028	50.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	258482	19.212	ug/l	98
3) Chloromethane	1.76	50	270993	22.337	ug/l	100
4) Vinyl Chloride	1.85	62	221654	22.325	ug/l	98
5) Bromomethane	2.13	94	19894	15.958	ug/l	91
6) Chloroethane	2.24	64	48887	18.044	ug/l	95
7) Trichlorofluoromethane	2.50	101	245039	20.612	ug/l	98
8) Diethyl Ether	2.82	74	57952	23.707	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.09	101	179846	24.284	ug/l	99
10) Methyl Iodide	3.24	142	147529	18.784	ug/l	94
11) Tert butyl alcohol	3.98	59	73236	94.189	ug/l	97
12) 1,1-Dichloroethene	3.07	96	142088	24.353	ug/l	89
13) Acrolein	2.98	56	31946	66.649	ug/l	97
14) Allyl chloride	3.53	41	283804	23.421	ug/l	99
15) Acrylonitrile	4.09	53	351410	109.189	ug/l	97
16) Acetone	3.16	43	281656	143.172	ug/l	99
17) Carbon Disulfide	3.31	76	411861	20.992	ug/l	99
18) Methyl Acetate	3.56	43	89998	21.285	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	571185	22.266	ug/l	98
20) Methylene Chloride	3.72	84	350386	20.052	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	323545	21.472	ug/l	95
22) Diisopropyl ether	4.86	45	1219323	22.532	ug/l	96
23) Vinyl Acetate	4.81	43	3526837	115.942	ug/l	99
24) 1,1-Dichloroethane	4.76	63	547823	22.327	ug/l	100
25) 2-Butanone	5.63	43	625833	127.339	ug/l	97
26) 2,2-Dichloropropane	5.59	77	437301	23.509	ug/l	95
27) cis-1,2-Dichloroethene	5.60	96	345687	21.653	ug/l	95
28) Bromochloromethane	5.93	49	269486	22.601	ug/l	92
29) Tetrahydrofuran	5.96	42	309250	108.330	ug/l	99
30) Chloroform	6.11	83	569797	22.957	ug/l	100
31) Cyclohexane	6.37	56	500610	21.313	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	457264	22.487	ug/l	99
36) 1,1-Dichloropropene	6.53	75	423683	22.270	ug/l	97
37) Ethyl Acetate	5.70	43	263188	20.841	ug/l	100
38) Carbon Tetrachloride	6.50	117	383527	22.211	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	461355	21.343	ug/l	100
40) Benzene	6.80	78	1085537	21.810	ug/l	99
41) Methacrylonitrile	5.92	41	118078m	16.543	ug/l	
42) 1,2-Dichloroethane	6.90	62	319540	22.393	ug/l	97
43) Isopropyl Acetate	8.36	43	348832	20.997	ug/l #	97
44) Trichloroethene	7.74	130	328061	21.292	ug/l	98
45) 1,2-Dichloropropane	8.11	63	256024	19.645	ug/l	100
46) Dibromomethane	8.22	93	180591	21.403	ug/l	95
47) Bromodichloromethane	8.50	83	406766	22.626	ug/l	98
48) Methyl methacrylate	8.25	41	203531	21.507	ug/l	98
49) 1,4-Dioxane	8.24	88	39091	419.826	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	1157402	110.452	ug/l	97
52) Toluene	9.55	92	691931	21.586	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	357634	21.985	ug/l	97
54) cis-1,3-Dichloropropene	9.11	75	438475	21.828	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	226445	21.609	ug/l	95
56) Ethyl methacrylate	10.04	69	245556	21.228	ug/l	98
57) 1,3-Dichloropropane	10.39	76	351217	21.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	729996	113.642	ug/l	96
59) 2-Hexanone	10.50	43	926779	122.995	ug/l	98
60) Dibromochloromethane	10.64	129	281523	21.896	ug/l	95
61) 1,2-Dibromoethane	10.76	107	233108	20.936	ug/l	99
64) Tetrachloroethene	10.26	164	300534	21.373	ug/l	99
65) Chlorobenzene	11.32	112	757367	21.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	271452	23.428	ug/l	99
67) Ethyl Benzene	11.43	91	1342207	23.852	ug/l	97
68) m/p-Xylenes	11.57	106	1001377	47.628	ug/l	96
69) o-Xylene	11.94	106	462205	22.225	ug/l	92
70) Styrene	11.96	104	778804	22.394	ug/l	99
71) Bromoform	12.12	173	193807	20.657	ug/l	98
73) Isopropylbenzene	12.28	105	1301647	22.502	ug/l	97
74) N-amyl acetate	12.14	43	454791	21.464	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	272641	21.589	ug/l	92
76) 1,2,3-Trichloropropane	12.60	75	268171	21.237	ug/l	100
77) Bromobenzene	12.54	156	367937	21.888	ug/l	97
78) n-propylbenzene	12.64	91	1632845	22.733	ug/l	100
79) 2-Chlorotoluene	12.71	91	898892	22.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1040430	23.239	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72601	20.462	ug/l	92
82) 4-Chlorotoluene	12.82	91	1050349	23.295	ug/l	98
83) tert-Butylbenzene	13.06	119	1145886	22.304	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1063833	22.546	ug/l	95
85) sec-Butylbenzene	13.22	105	1363664	22.449	ug/l	96
86) p-Isopropyltoluene	13.35	119	1107721	22.233	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	643391	21.969	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	611245	20.779	ug/l	97
89) n-Butylbenzene	13.66	91	1189805	24.474	ug/l	98
90) Hexachloroethane	13.86	117	258823	22.446	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	566649	23.011	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	35967	21.330	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	438835	20.995	ug/l	97
94) Hexachlorobutadiene	14.89	225	300093	21.599	ug/l	98
95) Naphthalene	14.97	128	631340	20.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	373601	20.547	ug/l	97

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

