

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060052.D
 Acq On : 20 Sep 2018 13:03
 Operator : VA/AP
 Sample : VD0920SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

apatel
 9/21/2018 12:02:19 PM

Quant Time: Sep 20 16:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1506929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2069634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1717227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	577359	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	6.30	113	812656	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	9.43	98	2256938	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.42	95	870670	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	285124	17.925	ug/l	99
3) Chloromethane	1.74	50	290038	20.642	ug/l	99
4) Vinyl Chloride	1.84	62	234788	20.786	ug/l	99
5) Bromomethane	2.12	94	20253	15.148	ug/l	99
6) Chloroethane	2.23	64	58297	23.085	ug/l	95
7) Trichlorofluoromethane	2.49	101	269527	21.673	ug/l	97
8) Diethyl Ether	2.80	74	53459	20.222	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.07	101	171805	21.909	ug/l	96
10) Methyl Iodide	3.22	142	173819	20.928	ug/l	91
11) Tert butyl alcohol	3.95	59	69550	73.347	ug/l	99
12) 1,1-Dichloroethene	3.05	96	138888	22.400	ug/l	96
13) Acrolein	2.96	56	45715	77.851	ug/l	97
14) Allyl chloride	3.51	41	268973	20.570	ug/l	98
15) Acrylonitrile	4.06	53	344274	96.184	ug/l	94
16) Acetone	3.14	43	252134	111.128	ug/l	97
17) Carbon Disulfide	3.28	76	443564	20.763	ug/l	99
18) Methyl Acetate	3.53	43	85687	18.570	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	569772	19.888	ug/l	97
20) Methylene Chloride	3.70	84	379141	19.019	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	333262	20.482	ug/l	94
22) Diisopropyl ether	4.83	45	1239952	20.788	ug/l	98
23) Vinyl Acetate	4.78	43	3450188	102.103	ug/l	99
24) 1,1-Dichloroethane	4.73	63	564087	21.074	ug/l	100
25) 2-Butanone	5.60	43	672712	109.876	ug/l	98
26) 2,2-Dichloropropane	5.57	77	456662	21.944	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	366345	21.525	ug/l	98
28) Bromochloromethane	5.90	49	257170	19.988	ug/l	94
29) Tetrahydrofuran	5.93	42	299274	91.147	ug/l	99
30) Chloroform	6.08	83	574608	21.168	ug/l	99
31) Cyclohexane	6.34	56	521923	19.998	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	466565	20.724	ug/l	99
36) 1,1-Dichloropropene	6.50	75	434762	21.147	ug/l	97
37) Ethyl Acetate	5.68	43	271443	19.200	ug/l	99
38) Carbon Tetrachloride	6.47	117	382616	19.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	484056	20.814	ug/l	99
40) Benzene	6.77	78	1111903	21.220	ug/l	99
41) Methacrylonitrile	5.92	41	178550m	24.113	ug/l	
42) 1,2-Dichloroethane	6.88	62	322365	20.489	ug/l	98
43) Isopropyl Acetate	8.33	43	341111	18.020	ug/l #	99
44) Trichloroethene	7.72	130	350571	21.654	ug/l	95
45) 1,2-Dichloropropane	8.09	63	296144	21.136	ug/l	99
46) Dibromomethane	8.19	93	179730	19.660	ug/l	97
47) Bromodichloromethane	8.47	83	411399	20.872	ug/l	99
48) Methyl methacrylate	8.23	41	200363	19.005	ug/l	96
49) 1,4-Dioxane	8.21	88	36685	350.348	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	1388291	99.305	ug/l	99
52) Toluene	9.53	92	721449	21.480	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	370778	20.170	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	451372	20.551	ug/l	95
55) 1,1,2-Trichloroethane	10.17	97	236208	20.256	ug/l	91
56) Ethyl methacrylate	10.01	69	248244	19.192	ug/l	98
57) 1,3-Dichloropropane	10.37	76	353755	20.551	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	662194	106.019	ug/l	95
59) 2-Hexanone	10.48	43	1017781	101.156	ug/l	98
60) Dibromochloromethane	10.62	129	281160	19.809	ug/l	98
61) 1,2-Dibromoethane	10.74	107	239690	19.907	ug/l	98
64) Tetrachloroethene	10.24	164	312292	20.612	ug/l	96
65) Chlorobenzene	11.30	112	785041	21.263	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	272238	21.862	ug/l	98
67) Ethyl Benzene	11.42	91	1379805	23.224	ug/l	98
68) m/p-Xylenes	11.56	106	1008117	45.943	ug/l	96
69) o-Xylene	11.92	106	484669	22.292	ug/l	99
70) Styrene	11.94	104	813676	22.257	ug/l	96
71) Bromoform	12.11	173	196760	18.391	ug/l	97
73) Isopropylbenzene	12.27	105	1320957	21.660	ug/l	100
74) N-amyl acetate	12.12	43	444412	18.396	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	265403	19.183	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	269520	18.977	ug/l	98
77) Bromobenzene	12.53	156	365576	20.809	ug/l	95
78) n-propylbenzene	12.63	91	1656434	21.598	ug/l	99
79) 2-Chlorotoluene	12.69	91	901458	20.825	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	1033496	22.109	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	75580	17.630	ug/l	99
82) 4-Chlorotoluene	12.80	91	1064332	22.364	ug/l	98
83) tert-Butylbenzene	13.04	119	1146673	21.174	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1070707	21.464	ug/l	99
85) sec-Butylbenzene	13.21	105	1388658	21.602	ug/l	99
86) p-Isopropyltoluene	13.33	119	1135281	21.836	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	656038	21.474	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	660469	21.315	ug/l	97
89) n-Butylbenzene	13.64	91	1173957	20.957	ug/l	96
90) Hexachloroethane	13.85	117	252310	19.593	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	573200	20.256	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35127	16.654	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	448945	20.622	ug/l	96
94) Hexachlorobutadiene	14.88	225	299968	20.830	ug/l	99
95) Naphthalene	14.95	128	631670	18.788	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	368223	19.193	ug/l	97

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

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