

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060195.D
 Acq On : 25 Oct 2018 14:50
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:55:43 AM

Quant Time: Oct 26 10:53:51 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	1619552	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2340999	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1913937	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	1016805	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	639952	52.13	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	6.33	113	894349	50.31	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	9.46	98	2586910	51.03	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.43	95	994350	52.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	741067	48.643	ug/l	97
3) Chloromethane	1.76	50	733015	53.359	ug/l	98
4) Vinyl Chloride	1.86	62	621805	55.309	ug/l	99
5) Bromomethane	2.15	94	89087	63.109	ug/l	92
6) Chloroethane	2.26	64	166165	54.163	ug/l	97
7) Trichlorofluoromethane	2.51	101	711599	52.863	ug/l	98
8) Diethyl Ether	2.83	74	166889	60.291	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.09	101	499690	59.585	ug/l	96
10) Methyl Iodide	3.25	142	528356	59.411	ug/l	98
11) Tert butyl alcohol	3.98	59	210657	239.261	ug/l	97
12) 1,1-Dichloroethene	3.07	96	395179	59.816	ug/l	90
13) Acrolein	2.99	56	137975	254.214	ug/l	93
14) Allyl chloride	3.54	41	812590	59.221	ug/l	99
15) Acrylonitrile	4.09	53	1003945	275.485	ug/l	99
16) Acetone	3.16	43	739616	332.023	ug/l	99
17) Carbon Disulfide	3.32	76	1196808	53.870	ug/l	99
18) Methyl Acetate	3.55	43	360256	75.243	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1617125	55.672	ug/l	99
20) Methylene Chloride	3.72	84	888234	50.719	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	882107	51.698	ug/l	99
22) Diisopropyl ether	4.85	45	3359688	54.827	ug/l	# 89
23) Vinyl Acetate	4.80	43	9137484	265.280	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1513123	54.460	ug/l	99
25) 2-Butanone	5.62	43	1608101	288.961	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1224441	58.133	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	964008	53.325	ug/l	95
28) Bromochloromethane	5.93	49	737312	54.609	ug/l	100
29) Tetrahydrofuran	5.96	42	819653	253.567	ug/l	99
30) Chloroform	6.10	83	1517645	53.999	ug/l	99
31) Cyclohexane	6.37	56	1286524	48.372	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1263730	54.883	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1117599	49.959	ug/l	99
37) Ethyl Acetate	5.70	43	770495	51.890	ug/l	99
38) Carbon Tetrachloride	6.51	117	1042060	51.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1266214	49.817	ug/l	99
40) Benzene	6.80	78	2824410	48.261	ug/l	99
41) Methacrylonitrile	5.94	41	407429m	48.545	ug/l	
42) 1,2-Dichloroethane	6.90	62	905933	53.993	ug/l	99
43) Isopropyl Acetate	8.35	43	1015109	51.964	ug/l #	99
44) Trichloroethene	7.75	130	881644	48.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	795804	51.931	ug/l	99
46) Dibromomethane	8.22	93	513202	51.728	ug/l	97
47) Bromodichloromethane	8.49	83	1143646	54.101	ug/l	100
48) Methyl methacrylate	8.25	41	594059	53.387	ug/l	99
49) 1,4-Dioxane	8.23	88	111742	1020.620	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3258024	264.423	ug/l	99
52) Toluene	9.56	92	1870545	49.628	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1044291	54.597	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1239790	52.489	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	637429	51.731	ug/l	99
56) Ethyl methacrylate	10.03	69	723546	53.195	ug/l	95
57) 1,3-Dichloropropane	10.38	76	987734	52.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	2071408	274.246	ug/l	100
59) 2-Hexanone	10.49	43	2414655	272.536	ug/l	100
60) Dibromochloromethane	10.64	129	815079	53.914	ug/l	98
61) 1,2-Dibromoethane	10.76	107	677553	51.752	ug/l	99
64) Tetrachloroethene	10.26	164	795106	47.431	ug/l	98
65) Chlorobenzene	11.32	112	2096903	50.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	715589	51.806	ug/l	100
67) Ethyl Benzene	11.43	91	3421852	51.008	ug/l	100
68) m/p-Xylenes	11.56	106	2566624	102.398	ug/l	99
69) o-Xylene	11.94	106	1255763	50.650	ug/l	99
70) Styrene	11.96	104	2123430	51.215	ug/l	100
71) Bromoform	12.12	173	604562	54.051	ug/l	99
73) Isopropylbenzene	12.27	105	3507894	52.294	ug/l	98
74) N-amyl acetate	12.14	43	1266659	51.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	750651	51.258	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	752431	51.384	ug/l	100
77) Bromobenzene	12.54	156	979849	50.266	ug/l	100
78) n-propylbenzene	12.64	91	4252110	51.049	ug/l	99
79) 2-Chlorotoluene	12.71	91	2354409	50.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2627008	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	225779	54.873	ug/l	98
82) 4-Chlorotoluene	12.81	91	2605215	49.824	ug/l	97
83) tert-Butylbenzene	13.05	119	3096662	51.977	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	2822489	51.583	ug/l	100
85) sec-Butylbenzene	13.23	105	3670499	52.106	ug/l	98
86) p-Isopropyltoluene	13.35	119	3000580	51.933	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1683425	49.568	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1679264	49.226	ug/l	99
89) n-Butylbenzene	13.65	91	2898784	51.418	ug/l	98
90) Hexachloroethane	13.86	117	740959	55.412	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	1436855	50.316	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	101704	52.012	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1230972	50.786	ug/l	97
94) Hexachlorobutadiene	14.88	225	832130	51.648	ug/l	99
95) Naphthalene	14.97	128	1806702	50.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1032562	48.971	ug/l	98

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

