

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063168.D
 Acq On : 22 Jul 2019 10:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:12 AM

Quant Time: Jul 23 07:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	744593	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	993684	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	851670	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	455777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	422869	45.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	6.94	113	484171	48.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.41	98	948290	44.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.22%	
62) 4-Bromofluorobenzene	13.56	95	448138	45.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	402753	50.784	ug/l	98
3) Chloromethane	1.76	50	328168	48.595	ug/l	96
4) Vinyl Chloride	1.85	62	354311	44.585	ug/l	99
5) Bromomethane	2.15	94	135792	44.460	ug/l	97
6) Chloroethane	2.27	64	186391	50.492	ug/l #	89
7) Trichlorofluoromethane	2.54	101	782007	48.610	ug/l	100
8) Diethyl Ether	2.88	74	128455	56.764	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	444516	47.920	ug/l	95
10) Methyl Iodide	3.31	142	571406	50.176	ug/l	96
11) Tert butyl alcohol	4.09	59	140418	262.321	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	302776	45.965	ug/l	97
13) Acrolein	3.04	56	26687	165.184	ug/l	98
14) Allyl chloride	3.62	41	514827	49.729	ug/l	98
15) Acrylonitrile	4.21	53	325722	275.274	ug/l	99
16) Acetone	3.23	43	641423	286.316	ug/l	97
17) Carbon Disulfide	3.37	76	794440	42.135	ug/l	98
18) Methyl Acetate	3.65	43	166559	55.635	ug/l #	84
19) Methyl tert-butyl Ether	4.25	73	907627	54.584	ug/l	97
20) Methylene Chloride	3.82	84	382807	45.230	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	362406	49.560	ug/l	96
22) Diisopropyl ether	5.14	45	1203590	53.472	ug/l	99
23) Vinyl Acetate	5.07	43	3876669	295.210	ug/l	100
24) 1,1-Dichloroethane	4.99	63	718762	51.840	ug/l	98
25) 2-Butanone	6.08	43	623248	291.337	ug/l	96
26) 2,2-Dichloropropane	6.03	77	774439	50.469	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	405985	48.806	ug/l	95
28) Bromochloromethane	6.45	49	236797	47.075	ug/l	81
29) Tetrahydrofuran	6.48	42	271414	279.881	ug/l	97
30) Chloroform	6.67	83	869370	50.913	ug/l	97
31) Cyclohexane	6.97	56	423635	47.977	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	851436	50.566	ug/l	97
36) 1,1-Dichloropropene	7.15	75	538995	48.229	ug/l	96
37) Ethyl Acetate	6.20	43	291618	60.971	ug/l	98
38) Carbon Tetrachloride	7.12	117	834150m	49.120	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	448036	46.371	ug/l	98
40) Benzene	7.46	78	1182658	50.527	ug/l	95
41) Methacrylonitrile	6.47	41	362360	55.881	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	646078	51.810	ug/l	99
43) Isopropyl Acetate	9.25	43	394730	57.577	ug/l	94
44) Trichloroethene	8.55	130	473827	52.381	ug/l	98
45) 1,2-Dichloropropane	8.95	63	312519	53.552	ug/l	94
46) Dibromomethane	9.07	93	270946	54.029	ug/l	93
47) Bromodichloromethane	9.38	83	693382	52.985	ug/l	96
48) Methyl methacrylate	9.13	41	252446	56.073	ug/l	97
49) 1,4-Dioxane	9.09	88	46024	1185.364	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1363335	299.829	ug/l	100
52) Toluene	10.52	92	803044	51.377	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	622433	55.517	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	640858	55.281	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	302880	56.073	ug/l	96
56) Ethyl methacrylate	11.05	69	351858	58.301	ug/l	92
57) 1,3-Dichloropropane	11.42	76	447020	54.387	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	887835	264.204	ug/l	98
59) 2-Hexanone	11.54	43	1076547	306.995	ug/l	99
60) Dibromochloromethane	11.69	129	556139	53.712	ug/l	94
61) 1,2-Dibromoethane	11.81	107	345643	53.459	ug/l	96
64) Tetrachloroethene	11.27	164	400717	48.489	ug/l	94
65) Chlorobenzene	12.40	112	1043445	52.119	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	492334	53.042	ug/l	98
67) Ethyl Benzene	12.53	91	1737930	49.961	ug/l	97
68) m/p-Xylenes	12.68	106	1183107	94.958	ug/l	98
69) o-Xylene	13.05	106	574534	48.632	ug/l	97
70) Styrene	13.08	104	1031800	49.895	ug/l	97
71) Bromoform	13.24	173	385229	59.281	ug/l	98
73) Isopropylbenzene	13.41	105	1783186	50.661	ug/l	99
74) N-amyl acetate	13.27	43	527715	53.758	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	337770	52.743	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	384044	54.776	ug/l	97
77) Bromobenzene	13.67	156	528941	52.991	ug/l	80
78) n-propylbenzene	13.78	91	2108427	52.053	ug/l	97
79) 2-Chlorotoluene	13.85	91	1175484	47.997	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	1438490	46.891	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	108163	58.584	ug/l	90
82) 4-Chlorotoluene	13.95	91	1432732	50.098	ug/l	91
83) tert-Butylbenzene	14.19	119	1690740	48.743	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1471564	48.116	ug/l	98
85) sec-Butylbenzene	14.37	105	1744911	47.347	ug/l	97
86) p-Isopropyltoluene	14.50	119	1784636	51.909	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	921996	51.723	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	862965	50.497	ug/l	93
89) n-Butylbenzene	14.80	91	1493522	47.131	ug/l	97
90) Hexachloroethane	15.01	117	462294	50.300	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	786364	49.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73216	59.645	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	632373	53.028	ug/l	97
94) Hexachlorobutadiene	16.04	225	437578	49.781	ug/l	98
95) Naphthalene	16.12	128	990175	56.763	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	518517	54.050	ug/l	98

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

