

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061888.D
 Acq On : 18 Apr 2019 23:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 6:24:22 PM

Quant Time: Apr 19 01:10:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	494175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	833041	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	695763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	311571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	227677	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	6.93	113	341655	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.41	98	783539	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	13.56	95	305395	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	253309	52.518	ug/l	98
3) Chloromethane	1.75	50	220769	57.433	ug/l	95
4) Vinyl Chloride	1.85	62	220323	57.753	ug/l	97
5) Bromomethane	2.15	94	57974	69.328	ug/l	94
6) Chloroethane	2.26	64	82846	63.657	ug/l	100
7) Trichlorofluoromethane	2.53	101	351973	56.887	ug/l	99
8) Diethyl Ether	2.87	74	88951	54.857	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	289451	52.467	ug/l	98
10) Methyl Iodide	3.30	142	453013	51.335	ug/l	99
11) Tert butyl alcohol	4.06	59	68799	281.682	ug/l	98
12) 1,1-Dichloroethene	3.13	96	243777	52.561	ug/l	97
13) Acrolein	3.04	56	76526	323.648	ug/l	90
14) Allyl chloride	3.62	41	352460	55.753	ug/l	97
15) Acrylonitrile	4.19	53	216456	282.294	ug/l	93
16) Acetone	3.21	43	261765	256.441	ug/l	96
17) Carbon Disulfide	3.38	76	764345	51.006	ug/l	100
18) Methyl Acetate	3.64	43	107821	52.700	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	454492	52.510	ug/l	95
20) Methylene Chloride	3.81	84	310514	62.330	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	269688	52.911	ug/l	94
22) Diisopropyl ether	5.12	45	782954	57.939	ug/l	97
23) Vinyl Acetate	5.06	43	2126881	294.428	ug/l	99
24) 1,1-Dichloroethane	4.99	63	459351	56.065	ug/l	99
25) 2-Butanone	6.07	43	329747	283.749	ug/l	97
26) 2,2-Dichloropropane	6.03	77	363246	51.294	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	305151	55.227	ug/l	99
28) Bromochloromethane	6.44	49	162597	52.247	ug/l	99
29) Tetrahydrofuran	6.46	42	155642	274.947	ug/l	99
30) Chloroform	6.67	83	535147	58.560	ug/l	98
31) Cyclohexane	6.97	56	336619	53.670	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	464886	57.388	ug/l	98
36) 1,1-Dichloropropene	7.15	75	373365	54.848	ug/l	96
37) Ethyl Acetate	6.18	43	147975	50.790	ug/l #	94
38) Carbon Tetrachloride	7.11	117	466256m	54.243	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	373712	52.867	ug/l	97
40) Benzene	7.46	78	877404	53.687	ug/l	99
41) Methacrylonitrile	6.44	41	179131	52.019	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	322483	56.658	ug/l	99
43) Isopropyl Acetate	9.24	43	230650	56.257	ug/l	100
44) Trichloroethene	8.55	130	328730	52.251	ug/l	99
45) 1,2-Dichloropropane	8.94	63	227373	53.413	ug/l	98
46) Dibromomethane	9.06	93	168002	55.387	ug/l	97
47) Bromodichloromethane	9.38	83	390772	55.843	ug/l	97
48) Methyl methacrylate	9.12	41	133191	55.266	ug/l	97
49) 1,4-Dioxane	9.09	88	31332	1189.452	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	722836	288.297	ug/l	100
52) Toluene	10.51	92	517935	49.455	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	332113	52.671	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	401248	54.212	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	183531	52.007	ug/l	98
56) Ethyl methacrylate	11.05	69	197631	51.025	ug/l	97
57) 1,3-Dichloropropane	11.41	76	274413	51.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	508993	276.286	ug/l	97
59) 2-Hexanone	11.53	43	487730	261.910	ug/l	100
60) Dibromochloromethane	11.69	129	333724	57.795	ug/l	98
61) 1,2-Dibromoethane	11.81	107	211051	48.637	ug/l	97
64) Tetrachloroethene	11.27	164	247544	47.441	ug/l	98
65) Chlorobenzene	12.40	112	701728	54.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	264963	48.796	ug/l	97
67) Ethyl Benzene	12.53	91	1010088	48.678	ug/l	98
68) m/p-Xylenes	12.67	106	802443	102.949	ug/l	99
69) o-Xylene	13.05	106	352665	48.137	ug/l	96
70) Styrene	13.08	104	632876	50.199	ug/l	99
71) Bromoform	13.24	173	172872	53.634	ug/l	99
73) Isopropylbenzene	13.40	105	1001153	49.546	ug/l	99
74) N-amyl acetate	13.27	43	272894	50.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	212581	53.223	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	224378	54.837	ug/l	99
77) Bromobenzene	13.68	156	304769	53.097	ug/l	98
78) n-propylbenzene	13.78	91	1295849	55.507	ug/l	99
79) 2-Chlorotoluene	13.85	91	755278	55.381	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	886621	55.300	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	63729	48.182	ug/l	98
82) 4-Chlorotoluene	13.95	91	817517	52.371	ug/l	97
83) tert-Butylbenzene	14.19	119	971090	51.583	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	885607	54.951	ug/l	98
85) sec-Butylbenzene	14.37	105	1133113	58.223	ug/l	100
86) p-Isopropyltoluene	14.50	119	958602	52.644	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	548824	54.770	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	504464	50.929	ug/l	96
89) n-Butylbenzene	14.80	91	777661	48.247	ug/l	96
90) Hexachloroethane	15.01	117	284842	57.392	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	433813	51.684	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33439	57.209	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	247619	53.713	ug/l	97
94) Hexachlorobutadiene	16.04	225	190681	57.076	ug/l	99
95) Naphthalene	16.13	128	423121	59.882	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	157921	60.112	ug/l	97

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

