

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061576.D
 Acq On : 4 Apr 2019 13:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:37:03 PM

Quant Time: Apr 05 01:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	710580	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1023684	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	799300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	402880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	266783	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	
35) Dibromofluoromethane	6.90	113	422982	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.39	98	1043572	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
62) 4-Bromofluorobenzene	13.55	95	408971	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	336187	44.301	ug/l	100
3) Chloromethane	1.75	50	250138	40.417	ug/l	99
4) Vinyl Chloride	1.85	62	249224	43.857	ug/l	98
5) Bromomethane	2.15	94	49378	43.820	ug/l #	97
6) Chloroethane	2.26	64	81921	49.159	ug/l	97
7) Trichlorofluoromethane	2.53	101	371667	44.978	ug/l	100
8) Diethyl Ether	2.86	74	120215	45.185	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	412227	46.403	ug/l	95
10) Methyl Iodide	3.30	142	585021	43.781	ug/l	100
11) Tert butyl alcohol	4.05	59	88973	235.363	ug/l	100
12) 1,1-Dichloroethene	3.12	96	353157	46.303	ug/l	97
13) Acrolein	3.02	56	66496	228.941	ug/l	98
14) Allyl chloride	3.61	41	493456	46.386	ug/l	98
15) Acrylonitrile	4.18	53	301740	229.976	ug/l	96
16) Acetone	3.21	43	434589	278.510	ug/l	99
17) Carbon Disulfide	3.37	76	1032295	41.657	ug/l	99
18) Methyl Acetate	3.62	43	155673	47.449	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	620102	46.968	ug/l	99
20) Methylene Chloride	3.80	84	422320	48.245	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	378182	45.926	ug/l	99
22) Diisopropyl ether	5.10	45	1047975	46.552	ug/l	98
23) Vinyl Acetate	5.04	43	2775594	226.982	ug/l	99
24) 1,1-Dichloroethane	4.96	63	592469	44.782	ug/l	100
25) 2-Butanone	6.04	43	458408	233.541	ug/l	96
26) 2,2-Dichloropropane	6.00	77	505723	48.086	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	407331	45.149	ug/l	94
28) Bromochloromethane	6.42	49	257038	48.130	ug/l #	99
29) Tetrahydrofuran	6.44	42	229760	241.500	ug/l	99
30) Chloroform	6.64	83	654236	47.859	ug/l	97
31) Cyclohexane	6.93	56	461641	44.156	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	559021	46.353	ug/l	98
36) 1,1-Dichloropropene	7.13	75	454502	50.871	ug/l	98
37) Ethyl Acetate	6.16	43	217320	56.874	ug/l	99
38) Carbon Tetrachloride	7.09	117	554448m	54.005	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	480343	51.621	ug/l	98
40) Benzene	7.43	78	1155309	51.523	ug/l	97
41) Methacrylonitrile	6.42	41	253377	56.713	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	380413	56.716	ug/l	99
43) Isopropyl Acetate	9.22	43	296842	53.393	ug/l #	97
44) Trichloroethene	8.53	130	447472	53.624	ug/l	98
45) 1,2-Dichloropropane	8.92	63	301905	53.098	ug/l	97
46) Dibromomethane	9.05	93	217701	56.886	ug/l	99
47) Bromodichloromethane	9.36	83	480308	55.918	ug/l	99
48) Methyl methacrylate	9.10	41	178061	58.033	ug/l	100
49) 1,4-Dioxane	9.06	88	40278	1190.158	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	969870	286.741	ug/l	98
52) Toluene	10.49	92	729157	53.302	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	434604	55.690	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	524766	55.223	ug/l	97
55) 1,1,2-Trichloroethane	11.17	97	234382	48.992	ug/l	99
56) Ethyl methacrylate	11.03	69	281383	54.750	ug/l	96
57) 1,3-Dichloropropane	11.39	76	387479	55.104	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	677663	270.755	ug/l	99
59) 2-Hexanone	11.52	43	685792	279.841	ug/l	98
60) Dibromochloromethane	11.67	129	404559	54.854	ug/l	99
61) 1,2-Dibromoethane	11.79	107	296287	53.484	ug/l	98
64) Tetrachloroethene	11.24	164	331626	52.865	ug/l	98
65) Chlorobenzene	12.38	112	912191	55.843	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	378022	59.769	ug/l	98
67) Ethyl Benzene	12.51	91	1443862	57.909	ug/l	98
68) m/p-Xylenes	12.66	106	1058237	112.044	ug/l	97
69) o-Xylene	13.03	106	487542	53.194	ug/l	97
70) Styrene	13.06	104	838151	52.459	ug/l	98
71) Bromoform	13.22	173	219445	54.734	ug/l	99
73) Isopropylbenzene	13.39	105	1372063	48.932	ug/l	98
74) N-amyl acetate	13.26	43	385625	49.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	273148	46.178	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	290235	49.871	ug/l	98
77) Bromobenzene	13.65	156	376912	45.342	ug/l	98
78) n-propylbenzene	13.76	91	1745921	50.880	ug/l	98
79) 2-Chlorotoluene	13.83	91	958538	51.446	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1110011	51.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	92991	52.406	ug/l	94
82) 4-Chlorotoluene	13.94	91	1003607	49.539	ug/l	96
83) tert-Butylbenzene	14.18	119	1145443	42.129	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1057805	44.911	ug/l	99
85) sec-Butylbenzene	14.36	105	1414539	48.973	ug/l	96
86) p-Isopropyltoluene	14.48	119	1286364	52.668	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	690453	49.049	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	686831	50.033	ug/l	99
89) n-Butylbenzene	14.79	91	1046273	46.672	ug/l	99
90) Hexachloroethane	15.00	117	343225	49.742	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	552657	47.864	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38477	55.463	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307670	58.495	ug/l	98
94) Hexachlorobutadiene	16.03	225	230986	56.199	ug/l	95
95) Naphthalene	16.12	128	444396	55.430	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	133813	57.814	ug/l	98

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

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