

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061639.D
 Acq On : 6 Apr 2019 13:02
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:57:26 AM

Quant Time: Apr 08 07:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	713155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1133532	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	891322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	410353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	243436	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	6.92	113	383279	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.40	98	908300	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	13.55	95	341835	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	373492	49.912	ug/l	99
3) Chloromethane	1.76	50	297798	49.319	ug/l	91
4) Vinyl Chloride	1.85	62	289028	49.830	ug/l	96
5) Bromomethane	2.15	94	73237	56.347	ug/l	95
6) Chloroethane	2.27	64	111426	61.141	ug/l	97
7) Trichlorofluoromethane	2.54	101	438783	51.400	ug/l	99
8) Diethyl Ether	2.87	74	126162	51.027	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	416946	49.060	ug/l	97
10) Methyl Iodide	3.31	142	690466	63.124	ug/l	99
11) Tert butyl alcohol	4.05	59	83585	230.298	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	364160	49.407	ug/l	99
13) Acrolein	3.03	56	104155	238.910	ug/l	96
14) Allyl chloride	3.62	41	526346	51.410	ug/l	98
15) Acrylonitrile	4.19	53	293967	245.808	ug/l	99
16) Acetone	3.22	43	456849	291.392	ug/l	99
17) Carbon Disulfide	3.39	76	1256017	52.412	ug/l	99
18) Methyl Acetate	3.64	43	146090	47.941	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	661820	52.401	ug/l	99
20) Methylene Chloride	3.82	84	399558	44.609	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	425313	53.510	ug/l	95
22) Diisopropyl ether	5.12	45	1064331	50.687	ug/l	97
23) Vinyl Acetate	5.06	43	2909681	250.687	ug/l	100
24) 1,1-Dichloroethane	4.99	63	616890	47.671	ug/l	98
25) 2-Butanone	6.06	43	489239	267.015	ug/l	99
26) 2,2-Dichloropropane	6.02	77	546592	51.989	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	454643	53.673	ug/l	98
28) Bromochloromethane	6.44	49	244829	52.978	ug/l	94
29) Tetrahydrofuran	6.45	42	225666	257.174	ug/l	100
30) Chloroform	6.66	83	662324	49.180	ug/l	97
31) Cyclohexane	6.95	56	541540	54.577	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	618816	52.314	ug/l	99
36) 1,1-Dichloropropene	7.15	75	515311	50.846	ug/l	100
37) Ethyl Acetate	6.17	43	217468	51.689	ug/l	98
38) Carbon Tetrachloride	7.12	117	606878m	51.839	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	524069	49.603	ug/l	99
40) Benzene	7.45	78	1285999	52.444	ug/l	99
41) Methacrylonitrile	6.45	41	250477	52.824	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	403152	52.017	ug/l	95
43) Isopropyl Acetate	9.23	43	317286	52.478	ug/l	99
44) Trichloroethene	8.53	130	494549	52.942	ug/l	98
45) 1,2-Dichloropropane	8.94	63	313816	52.245	ug/l	98
46) Dibromomethane	9.06	93	234718	55.129	ug/l	94
47) Bromodichloromethane	9.37	83	531957	55.894	ug/l	99
48) Methyl methacrylate	9.11	41	182368	54.551	ug/l	98
49) 1,4-Dioxane	9.08	88	40413	1092.161	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	975271	273.948	ug/l	99
52) Toluene	10.50	92	789841	51.998	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	469280	55.833	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	550194	53.138	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	260311	51.977	ug/l	98
56) Ethyl methacrylate	11.03	69	283027	52.011	ug/l	96
57) 1,3-Dichloropropane	11.41	76	388647	51.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	597688	242.436	ug/l	98
59) 2-Hexanone	11.53	43	722162	268.791	ug/l	98
60) Dibromochloromethane	11.68	129	430908	54.054	ug/l	99
61) 1,2-Dibromoethane	11.80	107	309477	52.365	ug/l	95
64) Tetrachloroethene	11.25	164	365548	53.745	ug/l	98
65) Chlorobenzene	12.39	112	981809	55.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	386120	55.256	ug/l	98
67) Ethyl Benzene	12.52	91	1488325	53.170	ug/l	99
68) m/p-Xylenes	12.67	106	1121211	108.443	ug/l	96
69) o-Xylene	13.04	106	538295	53.833	ug/l	98
70) Styrene	13.07	104	1017113	59.399	ug/l	98
71) Bromoform	13.23	173	227916	54.654	ug/l	98
73) Isopropylbenzene	13.40	105	1554640	56.290	ug/l	100
74) N-amyl acetate	13.26	43	376290	50.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	296784	53.740	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	307547	55.851	ug/l	99
77) Bromobenzene	13.66	156	420428	51.959	ug/l	96
78) n-propylbenzene	13.77	91	1804478	55.544	ug/l	97
79) 2-Chlorotoluene	13.84	91	995423	53.583	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1147464	52.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	86601	50.814	ug/l	93
82) 4-Chlorotoluene	13.95	91	1138536	56.090	ug/l	99
83) tert-Butylbenzene	14.18	119	1405975	54.217	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1108051	49.747	ug/l	98
85) sec-Butylbenzene	14.36	105	1496401	54.026	ug/l	98
86) p-Isopropyltoluene	14.49	119	1280491	50.112	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	697698	50.631	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	713218	52.253	ug/l	99
89) n-Butylbenzene	14.79	91	1145044	52.197	ug/l	99
90) Hexachloroethane	15.00	117	369775	56.062	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	577460	51.101	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37173	53.800	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	292393	51.146	ug/l	99
94) Hexachlorobutadiene	16.04	225	237653	54.025	ug/l	99
95) Naphthalene	16.12	128	434587	48.202	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	137100	48.435	ug/l	95

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

