

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061933.D
 Acq On : 22 Apr 2019 12:16
 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
 4/23/2019 9:22:49 AM

Quant Time: Apr 22 23:36:36 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	7.06	168	704161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1074572	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	840201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	422208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	294112	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.68%		
35) Dibromofluoromethane	6.93	113	422876	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.18%		
50) Toluene-d8	10.41	98	989587	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		
62) 4-Bromofluorobenzene	13.56	95	398698	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.28%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	333421	48.513	ug/l	98
3) Chloromethane	1.75	50	255332	46.616	ug/l	95
4) Vinyl Chloride	1.85	62	252457	46.442	ug/l	95
5) Bromomethane	2.15	94	58145	47.620	ug/l	97
6) Chloroethane	2.27	64	93628	50.488	ug/l	98
7) Trichlorofluoromethane	2.53	101	381760	43.302	ug/l	95
8) Diethyl Ether	2.87	74	91450	39.580	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	337333	42.912	ug/l	97
10) Methyl Iodide	3.31	142	494758	40.167	ug/l	96
11) Tert butyl alcohol	4.06	59	81034	232.838	ug/l	96
12) 1,1-Dichloroethene	3.13	96	280055	42.376	ug/l	99
13) Acrolein	3.04	56	66715	198.014	ug/l	98
14) Allyl chloride	3.62	41	388476	43.126	ug/l	96
15) Acrylonitrile	4.20	53	225533	206.420	ug/l	89
16) Acetone	3.22	43	369934	254.336	ug/l	97
17) Carbon Disulfide	3.39	76	864013	40.463	ug/l	100
18) Methyl Acetate	3.64	43	115668	39.676	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	587024	47.597	ug/l	98
20) Methylene Chloride	3.82	84	323559	44.223	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	329665	45.390	ug/l	99
22) Diisopropyl ether	5.12	45	970159	50.384	ug/l	94
23) Vinyl Acetate	5.06	43	2598743	252.469	ug/l	100
24) 1,1-Dichloroethane	4.99	63	576351	49.368	ug/l	100
25) 2-Butanone	6.07	43	410841	248.105	ug/l	99
26) 2,2-Dichloropropane	6.03	77	512965	50.834	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	375865	47.739	ug/l	99
28) Bromochloromethane	6.45	49	209551	47.255	ug/l	98
29) Tetrahydrofuran	6.46	42	201172	249.401	ug/l	99
30) Chloroform	6.67	83	655956	50.375	ug/l	100
31) Cyclohexane	6.96	56	417064	46.666	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	598772	51.873	ug/l	100
36) 1,1-Dichloropropene	7.16	75	461340	52.538	ug/l	100
37) Ethyl Acetate	6.18	43	191639	50.992	ug/l	99
38) Carbon Tetrachloride	7.12	117	594706m	53.636	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	494630	54.245	ug/l	96
40) Benzene	7.46	78	1120820	53.167	ug/l	99
41) Methacrylonitrile	6.45	41	233703	52.612	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	392900	53.514	ug/l	99
43) Isopropyl Acetate	9.24	43	281926	53.308	ug/l #	97
44) Trichloroethene	8.54	130	417266	51.416	ug/l	98
45) 1,2-Dichloropropane	8.95	63	278317	50.685	ug/l	99
46) Dibromomethane	9.07	93	211078	53.947	ug/l	96
47) Bromodichloromethane	9.38	83	499625	55.351	ug/l	99
48) Methyl methacrylate	9.12	41	169897	54.651	ug/l	96
49) 1,4-Dioxane	9.08	88	36994	1088.732	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	850311	262.911	ug/l	99
52) Toluene	10.51	92	714351	52.878	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	426084	52.386	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	505795	52.977	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	236138	51.874	ug/l	99
56) Ethyl methacrylate	11.04	69	267371	53.515	ug/l	98
57) 1,3-Dichloropropane	11.42	76	386722	56.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	578463	243.419	ug/l	97
59) 2-Hexanone	11.54	43	641599	267.096	ug/l	99
60) Dibromochloromethane	11.69	129	409998	55.044	ug/l	100
61) 1,2-Dibromoethane	11.81	107	292237	52.209	ug/l	99
64) Tetrachloroethene	11.27	164	307747	48.840	ug/l	99
65) Chlorobenzene	12.40	112	852896	54.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	343792	52.429	ug/l	95
67) Ethyl Benzene	12.53	91	1257878	50.198	ug/l	99
68) m/p-Xylenes	12.68	106	1021081	108.480	ug/l	94
69) o-Xylene	13.05	106	469111	53.024	ug/l	99
70) Styrene	13.08	104	827472	54.351	ug/l	97
71) Bromoform	13.24	173	226323	58.147	ug/l	97
73) Isopropylbenzene	13.41	105	1337004	48.828	ug/l	99
74) N-amyl acetate	13.27	43	349007	47.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	259076	47.867	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	284801	51.364	ug/l	99
77) Bromobenzene	13.67	156	368777	47.412	ug/l	86
78) n-propylbenzene	13.78	91	1570299	49.637	ug/l	99
79) 2-Chlorotoluene	13.85	91	916743	49.606	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1137048	52.335	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	86688	48.353	ug/l	91
82) 4-Chlorotoluene	13.95	91	1051625	49.715	ug/l	88
83) tert-Butylbenzene	14.19	119	1324654	51.926	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1143791	52.373	ug/l	100
85) sec-Butylbenzene	14.37	105	1270943	48.193	ug/l	100
86) p-Isopropyltoluene	14.50	119	1236773	50.123	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	675645	49.758	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	675280	50.309	ug/l	99
89) n-Butylbenzene	14.80	91	1107873	50.723	ug/l	98
90) Hexachloroethane	15.01	117	350743	52.152	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	548851	48.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	36599	48.550	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	302920	48.490	ug/l	97
94) Hexachlorobutadiene	16.04	225	238411	52.662	ug/l	98
95) Naphthalene	16.13	128	499214	52.137	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	163664	45.973	ug/l	96

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

