

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061926.D
 Acq On : 20 Apr 2019 00:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:56:24 AM

Quant Time: Apr 20 02:13:58 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	506487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	762272	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	642104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	302065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	238189	56.11	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	6.94	113	330776	57.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	114.88%	
50) Toluene-d8	10.42	98	775366	56.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.64%	
62) 4-Bromofluorobenzene	13.56	95	331631	59.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	227087	45.937	ug/l	100
3) Chloromethane	1.75	50	178482	45.303	ug/l	98
4) Vinyl Chloride	1.85	62	177214	45.324	ug/l	94
5) Bromomethane	2.15	94	48202	55.491	ug/l	97
6) Chloroethane	2.27	64	71272	53.433	ug/l	98
7) Trichlorofluoromethane	2.54	101	261606	41.254	ug/l	96
8) Diethyl Ether	2.88	74	70838	42.625	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.16	101	254594	45.027	ug/l	96
10) Methyl Iodide	3.31	142	403977	45.122	ug/l	98
11) Tert butyl alcohol	4.05	59	63044	251.845	ug/l	98
12) 1,1-Dichloroethene	3.14	96	214288	45.080	ug/l	99
13) Acrolein	3.04	56	48546	200.322	ug/l	99
14) Allyl chloride	3.63	41	311550	48.084	ug/l	98
15) Acrylonitrile	4.20	53	193217	245.861	ug/l	99
16) Acetone	3.23	43	232088	221.840	ug/l	94
17) Carbon Disulfide	3.38	76	651956	42.448	ug/l	99
18) Methyl Acetate	3.64	43	101768	48.533	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	434625	48.994	ug/l	96
20) Methylene Chloride	3.83	84	274630	53.095	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	240962	46.126	ug/l	96
22) Diisopropyl ether	5.13	45	699067	50.474	ug/l	99
23) Vinyl Acetate	5.07	43	1867049	252.177	ug/l	97
24) 1,1-Dichloroethane	4.99	63	412014	49.065	ug/l	100
25) 2-Butanone	6.08	43	310486	260.680	ug/l	98
26) 2,2-Dichloropropane	6.03	77	338488	46.636	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	291673	51.505	ug/l	98
28) Bromochloromethane	6.45	49	165710	51.953	ug/l	100
29) Tetrahydrofuran	6.46	42	145266	250.380	ug/l	99
30) Chloroform	6.67	83	461443	49.267	ug/l	100
31) Cyclohexane	6.97	56	286229	44.526	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	417391	50.272	ug/l	97
36) 1,1-Dichloropropene	7.15	75	299850	48.138	ug/l	98
37) Ethyl Acetate	6.19	43	133196	49.962	ug/l #	94
38) Carbon Tetrachloride	7.12	117	409202m	52.025	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	304984	47.150	ug/l	99
40) Benzene	7.47	78	778822	52.080	ug/l	98
41) Methacrylonitrile	6.45	41	170951	54.252	ug/l	96
42) 1,2-Dichloroethane	7.59	62	287646	55.229	ug/l	99
43) Isopropyl Acetate	9.25	43	210003	55.976	ug/l	97
44) Trichloroethene	8.55	130	302199	52.494	ug/l	96
45) 1,2-Dichloropropane	8.95	63	212876	54.650	ug/l	98
46) Dibromomethane	9.07	93	154605	55.703	ug/l	98
47) Bromodichloromethane	9.39	83	366871	57.295	ug/l	99
48) Methyl methacrylate	9.13	41	121759	55.213	ug/l	96
49) 1,4-Dioxane	9.09	88	25998	1078.587	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	671490	292.683	ug/l	99
52) Toluene	10.52	92	482996	50.400	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	309345	53.615	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	345455	51.007	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	180224	55.811	ug/l	97
56) Ethyl methacrylate	11.05	69	179430	50.627	ug/l	97
57) 1,3-Dichloropropane	11.42	76	258371	53.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	422374	250.554	ug/l	98
59) 2-Hexanone	11.54	43	474045	278.195	ug/l	100
60) Dibromochloromethane	11.70	129	297016	56.213	ug/l	98
61) 1,2-Dibromoethane	11.82	107	217082	54.672	ug/l	97
64) Tetrachloroethene	11.27	164	252282	52.389	ug/l	98
65) Chlorobenzene	12.41	112	594843	49.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	255217	50.929	ug/l	96
67) Ethyl Benzene	12.54	91	980033	51.176	ug/l	100
68) m/p-Xylenes	12.68	106	754295	104.859	ug/l	100
69) o-Xylene	13.06	106	339788	50.255	ug/l	95
70) Styrene	13.08	104	582679	50.079	ug/l	99
71) Bromoform	13.25	173	167916	56.450	ug/l #	99
73) Isopropylbenzene	13.41	105	930130	47.480	ug/l	99
74) N-amyl acetate	13.28	43	257013	48.789	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	205655	53.110	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	210455	53.053	ug/l	100
77) Bromobenzene	13.68	156	275852	49.571	ug/l	98
78) n-propylbenzene	13.78	91	1149322	50.780	ug/l	97
79) 2-Chlorotoluene	13.85	91	695259	52.585	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	749684	48.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	56887	44.626	ug/l	96
82) 4-Chlorotoluene	13.96	91	748403	49.452	ug/l	95
83) tert-Butylbenzene	14.20	119	930306	50.972	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	806363	51.608	ug/l	96
85) sec-Butylbenzene	14.38	105	906570	48.049	ug/l	98
86) p-Isopropyltoluene	14.50	119	857066	48.549	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	449334	46.253	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	509298	53.035	ug/l	96
89) n-Butylbenzene	14.80	91	745826	47.728	ug/l	96
90) Hexachloroethane	15.02	117	246626	51.256	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	388388	47.728	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29208	52.840	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	232815	52.091	ug/l	98
94) Hexachlorobutadiene	16.04	225	167803	51.808	ug/l	98
95) Naphthalene	16.13	128	407662	59.509	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	140518	55.171	ug/l	96

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

