

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062080.D
 Acq On : 30 Apr 2019 00:22
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 9:27:56 AM

Quant Time: Apr 30 01:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	491010	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	782171	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	694307	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	303458	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	214378	55.79	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.58%	
35) Dibromofluoromethane	6.90	113	314972	58.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.46%	
50) Toluene-d8	10.39	98	755661	58.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	117.42%	
62) 4-Bromofluorobenzene	13.55	95	321287	62.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	124.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	211564	48.254	ug/l	96
3) Chloromethane	1.75	50	163651	43.917	ug/l	98
4) Vinyl Chloride	1.84	62	159431	47.204	ug/l	100
5) Bromomethane	2.15	94	55753	67.746	ug/l	99
6) Chloroethane	2.26	64	69498	56.924	ug/l	95
7) Trichlorofluoromethane	2.52	101	271572	53.179	ug/l	99
8) Diethyl Ether	2.86	74	77969	56.967	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	227931	48.452	ug/l	99
10) Methyl Iodide	3.29	142	344210	48.242	ug/l	96
11) Tert butyl alcohol	4.04	59	61861	284.907	ug/l	98
12) 1,1-Dichloroethene	3.11	96	184002	45.974	ug/l	96
13) Acrolein	3.03	56	41758	185.358	ug/l	96
14) Allyl chloride	3.61	41	269014	49.224	ug/l	95
15) Acrylonitrile	4.17	53	183082	272.304	ug/l	95
16) Acetone	3.20	43	243826	265.729	ug/l	96
17) Carbon Disulfide	3.37	76	500003	43.233	ug/l	97
18) Methyl Acetate	3.63	43	95048	57.439	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	427865	53.881	ug/l	96
20) Methylene Chloride	3.80	84	213781	47.712	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	214092	46.630	ug/l	99
22) Diisopropyl ether	5.09	45	605476	47.453	ug/l	95
23) Vinyl Acetate	5.02	43	1734157	260.984	ug/l	99
24) 1,1-Dichloroethane	4.96	63	384147	49.812	ug/l	99
25) 2-Butanone	6.05	43	283521	254.852	ug/l	99
26) 2,2-Dichloropropane	6.00	77	311715	46.332	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	250403	47.941	ug/l	99
28) Bromochloromethane	6.41	49	158912	53.854	ug/l	93
29) Tetrahydrofuran	6.43	42	145279	265.034	ug/l	100
30) Chloroform	6.64	83	457176	52.193	ug/l	100
31) Cyclohexane	6.93	56	252937	44.187	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	397538	52.161	ug/l	98
36) 1,1-Dichloropropene	7.13	75	285625	46.870	ug/l	99
37) Ethyl Acetate	6.16	43	127789	49.209	ug/l #	93
38) Carbon Tetrachloride	7.09	117	379176m	49.103	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	294626	49.003	ug/l	100
40) Benzene	7.44	78	683387	45.298	ug/l	98
41) Methacrylonitrile	6.42	41	169978	56.099	ug/l	95
42) 1,2-Dichloroethane	7.56	62	274724	53.631	ug/l	98
43) Isopropyl Acetate	9.22	43	234212	61.727	ug/l	99
44) Trichloroethene	8.52	130	315248	53.899	ug/l	97
45) 1,2-Dichloropropane	8.91	63	202954	53.028	ug/l	98
46) Dibromomethane	9.04	93	157002	57.009	ug/l	97
47) Bromodichloromethane	9.36	83	386730	59.431	ug/l	96
48) Methyl methacrylate	9.10	41	122416	56.546	ug/l	94
49) 1,4-Dioxane	9.06	88	27482	1177.456	ug/l	98
51) 4-Methyl-2-Pentanone	10.28	43	720857	310.651	ug/l	98
52) Toluene	10.50	92	505298	52.529	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	305606	55.951	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	382959	57.647	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	184036	56.987	ug/l	96
56) Ethyl methacrylate	11.03	69	221001	61.788	ug/l	98
57) 1,3-Dichloropropane	11.39	76	259655	52.058	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	479891	288.582	ug/l	95
59) 2-Hexanone	11.52	43	509457	292.676	ug/l	98
60) Dibromochloromethane	11.67	129	316076	59.151	ug/l	97
61) 1,2-Dibromoethane	11.79	107	221300	57.767	ug/l	96
64) Tetrachloroethene	11.24	164	240711	48.600	ug/l	98
65) Chlorobenzene	12.39	112	637356	48.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	287339	51.632	ug/l	96
67) Ethyl Benzene	12.52	91	1028785	48.042	ug/l	100
68) m/p-Xylenes	12.65	106	676209	87.369	ug/l	96
69) o-Xylene	13.04	106	344997	48.718	ug/l	95
70) Styrene	13.07	104	597274	48.846	ug/l	98
71) Bromoform	13.22	173	180110	56.767	ug/l	99
73) Isopropylbenzene	13.39	105	991410	48.976	ug/l	99
74) N-amyl acetate	13.25	43	279064	53.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	215619	54.356	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	210809	54.706	ug/l	99
77) Bromobenzene	13.66	156	277852	47.848	ug/l	89
78) n-propylbenzene	13.77	91	1147723	49.528	ug/l	99
79) 2-Chlorotoluene	13.83	91	673097	47.954	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	775650	48.055	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	61508	52.672	ug/l	93
82) 4-Chlorotoluene	13.93	91	756910	48.966	ug/l	86
83) tert-Butylbenzene	14.18	119	935435	50.028	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	758763	49.232	ug/l	97
85) sec-Butylbenzene	14.36	105	926051	45.836	ug/l	100
86) p-Isopropyltoluene	14.48	119	758174	41.931	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	487215	47.911	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	468021	49.213	ug/l	95
89) n-Butylbenzene	14.79	91	751564	46.298	ug/l	95
90) Hexachloroethane	15.00	117	249151	50.958	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	419485	50.008	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	31985	54.334	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	217055	47.957	ug/l	96
94) Hexachlorobutadiene	16.03	225	174157	51.996	ug/l	97
95) Naphthalene	16.12	128	396631	54.275	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132215	51.486	ug/l	94

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

