

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
 Data File : VD062185.D
 Acq On : 9 May 2019 13:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:54:13 AM

Quant Time: May 10 04:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	958256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1261923	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1096256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	557987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	452060	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	6.90	113	588541	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
50) Toluene-d8	10.40	98	1345364	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	13.54	95	549459	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	483399	52.745	ug/l	96
3) Chloromethane	1.75	50	328157	49.553	ug/l	95
4) Vinyl Chloride	1.84	62	359149	55.183	ug/l	100
5) Bromomethane	2.14	94	103409	67.809	ug/l	92
6) Chloroethane	2.26	64	159419	58.375	ug/l	96
7) Trichlorofluoromethane	2.52	101	685093	54.144	ug/l	99
8) Diethyl Ether	2.86	74	133702	54.790	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	492448	51.449	ug/l	95
10) Methyl Iodide	3.29	142	763379	52.770	ug/l	94
11) Tert butyl alcohol	4.04	59	119370	262.605	ug/l	98
12) 1,1-Dichloroethene	3.11	96	399655	54.698	ug/l	94
13) Acrolein	3.02	56	98709	209.950	ug/l	98
14) Allyl chloride	3.61	41	585689	55.131	ug/l	88
15) Acrylonitrile	4.18	53	319639	267.526	ug/l	91
16) Acetone	3.20	43	598187	320.312	ug/l #	86
17) Carbon Disulfide	3.36	76	1217923	57.945	ug/l	100
18) Methyl Acetate	3.62	43	178122	53.350	ug/l	91
19) Methyl tert-butyl Ether	4.22	73	817880	52.224	ug/l	95
20) Methylene Chloride	3.80	84	419692	53.823	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	439306	54.032	ug/l	95
22) Diisopropyl ether	5.09	45	1295272	57.295	ug/l	94
23) Vinyl Acetate	5.03	43	3594915	301.393	ug/l	98
24) 1,1-Dichloroethane	4.96	63	761564	55.842	ug/l	98
25) 2-Butanone	6.05	43	596479	292.821	ug/l	96
26) 2,2-Dichloropropane	6.01	77	784349	57.736	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	519682	57.104	ug/l	96
28) Bromochloromethane	6.42	49	297905	55.521	ug/l	93
29) Tetrahydrofuran	6.43	42	253636	270.236	ug/l	98
30) Chloroform	6.64	83	917072	55.796	ug/l	100
31) Cyclohexane	6.93	56	557898	59.710	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	904465	58.220	ug/l	98
36) 1,1-Dichloropropene	7.13	75	608567	58.818	ug/l	98
37) Ethyl Acetate	6.15	43	253583	57.792	ug/l #	94
38) Carbon Tetrachloride	7.09	117	865893m	60.465	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	584560	58.967	ug/l	98
40) Benzene	7.43	78	1375346	58.867	ug/l	99
41) Methacrylonitrile	6.42	41	322543	60.152	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	619216	62.554	ug/l	96
43) Isopropyl Acetate	9.21	43	355784	57.173	ug/l #	93
44) Trichloroethene	8.52	130	532037	59.760	ug/l	86
45) 1,2-Dichloropropane	8.92	63	359085	62.136	ug/l	99
46) Dibromomethane	9.05	93	273492	58.197	ug/l #	85
47) Bromodichloromethane	9.36	83	690204	60.044	ug/l	96
48) Methyl methacrylate	9.10	41	218789	57.079	ug/l	88
49) 1,4-Dioxane	9.06	88	43765	1058.224	ug/l	99
51) 4-Methyl-2-Pentanone	10.29	43	1170859	292.703	ug/l	99
52) Toluene	10.49	92	898711	59.120	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	601399	60.534	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	665554	61.408	ug/l	92
55) 1,1,2-Trichloroethane	11.17	97	329338	61.231	ug/l	95
56) Ethyl methacrylate	11.03	69	366568	65.585	ug/l	93
57) 1,3-Dichloropropane	11.39	76	488721	60.145	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	844529	276.622	ug/l	98
59) 2-Hexanone	11.52	43	907552	307.825	ug/l	97
60) Dibromochloromethane	11.68	129	555089	59.717	ug/l	100
61) 1,2-Dibromoethane	11.79	107	418426	63.988	ug/l	96
64) Tetrachloroethene	11.24	164	441813	51.540	ug/l	95
65) Chlorobenzene	12.38	112	1143677	56.013	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	482023	54.244	ug/l	95
67) Ethyl Benzene	12.51	91	1808412	52.904	ug/l	98
68) m/p-Xylenes	12.66	106	1307473	105.131	ug/l	97
69) o-Xylene	13.04	106	641638	55.495	ug/l	97
70) Styrene	13.06	104	1104463	56.389	ug/l	99
71) Bromoform	13.22	173	343976	55.637	ug/l	97
73) Isopropylbenzene	13.40	105	1773424	53.021	ug/l	100
74) N-amyl acetate	13.26	43	483200	55.102	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	349858	55.252	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	360123	54.307	ug/l	99
77) Bromobenzene	13.66	156	536960	57.348	ug/l	95
78) n-propylbenzene	13.76	91	2184460	54.750	ug/l	96
79) 2-Chlorotoluene	13.83	91	1202403	52.620	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1514473	53.770	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	112325	60.002	ug/l #	82
82) 4-Chlorotoluene	13.94	91	1455010	54.110	ug/l	91
83) tert-Butylbenzene	14.18	119	1803367	56.964	ug/l	95
84) 1,2,4-Trimethylbenzene	14.22	105	1639811	58.017	ug/l	91
85) sec-Butylbenzene	14.36	105	1955138	56.328	ug/l	99
86) p-Isopropyltoluene	14.48	119	1622107	52.307	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	913948	53.434	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	904399	53.814	ug/l	98
89) n-Butylbenzene	14.78	91	1421844	51.081	ug/l	94
90) Hexachloroethane	15.00	117	458502	54.367	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	727860	51.671	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	61112	58.795	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	532425	51.929	ug/l	97
94) Hexachlorobutadiene	16.02	225	399677	52.411	ug/l	98
95) Naphthalene	16.11	128	646610	45.172	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	271199	42.069	ug/l	95

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

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