

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062703.D
 Acq On : 14 Jun 2019 11:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 1:07:55 AM

Quant Time: Jun 15 04:55:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	759195	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1030889	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	872165	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	468151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	510559	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	6.93	113	552630	50.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.42	98	1156494	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.56	95	543395	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	399384	44.991	ug/l	97
3) Chloromethane	1.76	50	352546	46.931	ug/l	97
4) Vinyl Chloride	1.85	62	383711	49.536	ug/l	98
5) Bromomethane	2.16	94	194784	49.816	ug/l	94
6) Chloroethane	2.28	64	205742	53.797	ug/l	93
7) Trichlorofluoromethane	2.53	101	860772	49.647	ug/l	99
8) Diethyl Ether	2.88	74	118083	50.075	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	487542	52.141	ug/l	92
10) Methyl Iodide	3.31	142	631813	46.824	ug/l	94
11) Tert butyl alcohol	4.09	59	107282	238.240	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	361299	53.843	ug/l	96
13) Acrolein	3.05	56	39848	275.096	ug/l #	82
14) Allyl chloride	3.63	41	561812	54.452	ug/l	93
15) Acrylonitrile	4.21	53	264631	258.608	ug/l	95
16) Acetone	3.23	43	601771	299.977	ug/l	98
17) Carbon Disulfide	3.38	76	1046329	52.914	ug/l	99
18) Methyl Acetate	3.65	43	146389	44.403	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	812305	49.634	ug/l	100
20) Methylene Chloride	3.82	84	376147	49.624	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	390922	53.110	ug/l	95
22) Diisopropyl ether	5.13	45	1182912	55.216	ug/l	93
23) Vinyl Acetate	5.07	43	3607500	271.429	ug/l	97
24) 1,1-Dichloroethane	4.99	63	711474	51.623	ug/l	99
25) 2-Butanone	6.09	43	535006	273.370	ug/l	99
26) 2,2-Dichloropropane	6.03	77	868810	54.697	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	434894	54.502	ug/l	99
28) Bromochloromethane	6.45	49	291136	55.261	ug/l	98
29) Tetrahydrofuran	6.47	42	225989	256.417	ug/l	98
30) Chloroform	6.67	83	921430	52.109	ug/l	95
31) Cyclohexane	6.96	56	475417	54.991	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1005561	57.150	ug/l	98
36) 1,1-Dichloropropene	7.16	75	602385	51.056	ug/l	99
37) Ethyl Acetate	6.20	43	245090	48.750	ug/l #	94
38) Carbon Tetrachloride	7.12	117	966611m	51.833	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	540146	56.653	ug/l	93
40) Benzene	7.47	78	1188948	51.601	ug/l	99
41) Methacrylonitrile	6.46	41	324933	52.610	ug/l	95
42) 1,2-Dichloroethane	7.58	62	704986	51.333	ug/l	97
43) Isopropyl Acetate	9.25	43	330493	53.088	ug/l	94
44) Trichloroethene	8.55	130	463743	49.576	ug/l	97
45) 1,2-Dichloropropane	8.95	63	303770	54.887	ug/l	96
46) Dibromomethane	9.07	93	258313	52.581	ug/l	95
47) Bromodichloromethane	9.39	83	707163	52.916	ug/l	93
48) Methyl methacrylate	9.13	41	230065	51.154	ug/l	94
49) 1,4-Dioxane	9.10	88	39237	976.758	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	1123158	257.839	ug/l	98
52) Toluene	10.52	92	830027	53.592	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	600214	54.780	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	642623	56.747	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	275935	51.951	ug/l	97
56) Ethyl methacrylate	11.05	69	289445	45.604	ug/l	94
57) 1,3-Dichloropropane	11.41	76	428641	52.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	669952	235.994	ug/l	97
59) 2-Hexanone	11.54	43	849285	262.102	ug/l	99
60) Dibromochloromethane	11.70	129	575170	54.857	ug/l	94
61) 1,2-Dibromoethane	11.82	107	335389	52.759	ug/l	95
64) Tetrachloroethene	11.27	164	423570	51.880	ug/l	98
65) Chlorobenzene	12.41	112	1041410	53.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	483415	52.540	ug/l	97
67) Ethyl Benzene	12.53	91	1902618	55.624	ug/l	100
68) m/p-Xylenes	12.67	106	1272914	105.856	ug/l	98
69) o-Xylene	13.06	106	562500	50.934	ug/l	91
70) Styrene	13.08	104	1044531	53.008	ug/l	98
71) Bromoform	13.24	173	352567	49.953	ug/l	97
73) Isopropylbenzene	13.41	105	1859616	56.356	ug/l	98
74) N-amyl acetate	13.27	43	499586	56.021	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	325804	57.704	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	373760	58.881	ug/l	99
77) Bromobenzene	13.68	156	541466	57.411	ug/l	96
78) n-propylbenzene	13.78	91	2260612	55.968	ug/l	100
79) 2-Chlorotoluene	13.84	91	1281115	54.170	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1627930	55.822	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	95901	50.871	ug/l	91
82) 4-Chlorotoluene	13.95	91	1521970	53.813	ug/l	99
83) tert-Butylbenzene	14.20	119	1896201	58.952	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1682545	58.271	ug/l	96
85) sec-Butylbenzene	14.38	105	1872892	55.528	ug/l	98
86) p-Isopropyltoluene	14.49	119	1765707	53.768	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	869530	50.892	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	887019	54.934	ug/l	98
89) n-Butylbenzene	14.80	91	1695064	57.376	ug/l	99
90) Hexachloroethane	15.02	117	504087	58.145	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	790783	55.679	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	60840	50.447	ug/l #	33

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	592586	49.243	ug/l	94
94) Hexachlorobutadiene	16.04	225	463906	55.323	ug/l	95
95) Naphthalene	16.13	128	850245	50.050	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	475122	58.079	ug/l	99

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

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