

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062740.D
 Acq On : 17 Jun 2019 21:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:34:26 AM

Quant Time: Jun 18 07:11:40 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	587569	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	836759	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	711789	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	422774	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	412180	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.22%		
35) Dibromofluoromethane	6.93	113	425300	48.19	ug/l	0.01
Spiked Amount 50.000			Recovery =	96.38%		
50) Toluene-d8	10.41	98	903251	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.32%		
62) 4-Bromofluorobenzene	13.56	95	414357	47.84	ug/l	0.01
Spiked Amount 50.000			Recovery =	95.68%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	303420	44.115	ug/l	97
3) Chloromethane	1.74	50	276826	47.616	ug/l	98
4) Vinyl Chloride	1.84	62	279702	46.656	ug/l	99
5) Bromomethane	2.14	94	161000	53.203	ug/l	93
6) Chloroethane	2.26	64	152131	51.399	ug/l	93
7) Trichlorofluoromethane	2.53	101	686360	51.150	ug/l	98
8) Diethyl Ether	2.86	74	79524	43.574	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	374873	51.802	ug/l	95
10) Methyl Iodide	3.30	142	439238	42.469	ug/l	94
11) Tert butyl alcohol	4.06	59	90821	260.597	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	264082	50.850	ug/l	94
13) Acrolein	3.02	56	16587	147.958	ug/l	90
14) Allyl chloride	3.61	41	409617	51.297	ug/l	92
15) Acrylonitrile	4.19	53	203739	257.258	ug/l	97
16) Acetone	3.22	43	398563	256.713	ug/l	100
17) Carbon Disulfide	3.37	76	752586	49.176	ug/l	98
18) Methyl Acetate	3.63	43	125677	49.256	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	655900	51.784	ug/l	95
20) Methylene Chloride	3.80	84	266929	45.464	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	293348	51.495	ug/l	91
22) Diisopropyl ether	5.12	45	847001	51.084	ug/l	93
23) Vinyl Acetate	5.05	43	2767163	269.017	ug/l	100
24) 1,1-Dichloroethane	4.97	63	552459	51.794	ug/l	99
25) 2-Butanone	6.06	43	393099	259.530	ug/l	96
26) 2,2-Dichloropropane	6.02	77	611525	49.745	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	324743	52.585	ug/l	95
28) Bromochloromethane	6.44	49	203298	49.860	ug/l	96
29) Tetrahydrofuran	6.46	42	177092	259.629	ug/l	99
30) Chloroform	6.66	83	691243	50.510	ug/l	94
31) Cyclohexane	6.95	56	366473	54.771	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	741369	54.442	ug/l	99
36) 1,1-Dichloropropene	7.15	75	460975	48.135	ug/l	99
37) Ethyl Acetate	6.18	43	199427	48.867	ug/l	97
38) Carbon Tetrachloride	7.11	117	747930m	49.411	ug/l	

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39) Methylcyclohexane	8.87	83	390496	50.459	ug/l	96
40) Benzene	7.46	78	929845	49.718	ug/l	97
41) Methacrylonitrile	6.45	41	245491	48.969	ug/l	92
42) 1,2-Dichloroethane	7.58	62	549236	49.271	ug/l	99
43) Isopropyl Acetate	9.25	43	250794	49.632	ug/l #	99
44) Trichloroethene	8.54	130	373858	49.239	ug/l	93
45) 1,2-Dichloropropane	8.95	63	225725	50.247	ug/l	95
46) Dibromomethane	9.07	93	208008	52.164	ug/l	97
47) Bromodichloromethane	9.38	83	569857	52.535	ug/l	95
48) Methyl methacrylate	9.12	41	182860	50.091	ug/l #	89
49) 1,4-Dioxane	9.09	88	30523	938.084	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	906277	256.319	ug/l	99
52) Toluene	10.52	92	600479	47.765	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	475839	53.504	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	468346	50.952	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	208942	48.464	ug/l	98
56) Ethyl methacrylate	11.05	69	233519	45.352	ug/l	96
57) 1,3-Dichloropropane	11.42	76	343989	51.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	522782	226.876	ug/l	99
59) 2-Hexanone	11.55	43	649998	247.139	ug/l	99
60) Dibromochloromethane	11.69	129	425232	49.965	ug/l	98
61) 1,2-Dibromoethane	11.82	107	268705	52.076	ug/l	92
64) Tetrachloroethene	11.27	164	363991	54.628	ug/l	97
65) Chlorobenzene	12.41	112	811489	51.541	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	383666	51.094	ug/l	98
67) Ethyl Benzene	12.54	91	1429876	51.222	ug/l	99
68) m/p-Xylenes	12.68	106	954177	97.229	ug/l	97
69) o-Xylene	13.06	106	444809	49.352	ug/l	94
70) Styrene	13.08	104	774786	48.178	ug/l	98
71) Bromoform	13.25	173	275604	47.966	ug/l	95
73) Isopropylbenzene	13.42	105	1532935	51.442	ug/l	98
74) N-amyl acetate	13.28	43	376168	46.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	241521	47.368	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	271446	47.353	ug/l	99
77) Bromobenzene	13.68	156	423505	49.724	ug/l	94
78) n-propylbenzene	13.79	91	1703314	46.697	ug/l	97
79) 2-Chlorotoluene	13.85	91	968665	45.355	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	1290989	49.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	70690	42.238	ug/l	94
82) 4-Chlorotoluene	13.96	91	1230028	48.159	ug/l	96
83) tert-Butylbenzene	14.20	119	1472020	50.676	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	1272956	48.817	ug/l	100
85) sec-Butylbenzene	14.38	105	1429205	46.922	ug/l	98
86) p-Isopropyltoluene	14.51	119	1344164	45.325	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	746623	48.389	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	756227	51.861	ug/l	97
89) n-Butylbenzene	14.81	91	1321323	49.526	ug/l	97
90) Hexachloroethane	15.02	117	380808	48.640	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	640452	49.934	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.40	75	46943	43.101	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	458018	42.660	ug/l	94
94) Hexachlorobutadiene	16.05	225	377062	49.793	ug/l	99
95) Naphthalene	16.13	128	666849	43.921	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	370796	50.192	ug/l	98

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

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