

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064337.D
 Acq On : 21 Nov 2019 21:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:36 AM

Quant Time: Nov 22 02:51:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	507149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	739426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	208737	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	213982	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.34	98	785105	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	264923	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	187944	44.683	ug/l	99
3) Chloromethane	2.21	50	222932	49.413	ug/l	99
4) Vinyl Chloride	2.35	62	268540	55.661	ug/l	97
5) Bromomethane	2.77	94	191528	62.868	ug/l	98
6) Chloroethane	2.92	64	191153	62.006	ug/l	100
7) Trichlorofluoromethane	3.27	101	475122	60.741	ug/l	98
8) Diethyl Ether	3.70	74	113965	52.988	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	220573	49.336	ug/l	100
10) Methyl Iodide	4.29	142	246330	48.337	ug/l	99
11) Tert butyl alcohol	5.25	59	75843	260.337	ug/l	99
12) 1,1-Dichloroethene	4.06	96	205681	48.266	ug/l	95
13) Acrolein	3.93	56	67819	275.178	ug/l	96
14) Allyl chloride	4.71	41	342394	45.443	ug/l	96
15) Acrylonitrile	5.43	53	251691	274.502	ug/l	100
16) Acetone	4.17	43	186747	188.994	ug/l	96
17) Carbon Disulfide	4.40	76	583892	43.997	ug/l	100
18) Methyl Acetate	4.73	43	149415	54.139	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	537537	52.838	ug/l	96
20) Methylene Chloride	4.96	84	242025	48.490	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	241578	50.036	ug/l	90
22) Diisopropyl ether	6.37	45	706286	50.521	ug/l	96
23) Vinyl Acetate	6.31	43	2058919	264.209	ug/l	97
24) 1,1-Dichloroethane	6.27	63	415310	51.164	ug/l	99
25) 2-Butanone	7.23	43	311177	243.757	ug/l	98
26) 2,2-Dichloropropane	7.21	77	344109	43.228	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	273116	52.750	ug/l	92
28) Bromochloromethane	7.55	49	166729	58.998	ug/l	95
29) Tetrahydrofuran	7.57	42	204754	266.954	ug/l	97
30) Chloroform	7.71	83	442575	53.303	ug/l	98
31) Cyclohexane	7.98	56	349247	42.662	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	386031	48.555	ug/l	100
36) 1,1-Dichloropropene	8.11	75	319324	46.792	ug/l	99
37) Ethyl Acetate	7.30	43	145511	50.578	ug/l	97
38) Carbon Tetrachloride	8.10	117	348695	47.753	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	391547	45.343	ug/l	98
40) Benzene	8.35	78	920320	49.345	ug/l	97
41) Methacrylonitrile	7.53	41	84196	46.563	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	278433	49.706	ug/l	98
43) Isopropyl Acetate	8.46	43	297353	50.163	ug/l	98
44) Trichloroethene	9.11	130	282699	50.502	ug/l	99
45) 1,2-Dichloropropane	9.39	63	232553	51.228	ug/l	96
46) Dibromomethane	9.48	93	132375	54.469	ug/l	99
47) Bromodichloromethane	9.67	83	342595	52.334	ug/l	99
48) Methyl methacrylate	9.46	41	137738	47.520	ug/l	90
49) 1,4-Dioxane	9.47	88	31275	1071.514	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	730272	256.904	ug/l	99
52) Toluene	10.41	92	608015	49.577	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	326845	49.837	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	381140	49.803	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	182737	55.428	ug/l	98
56) Ethyl methacrylate	10.67	69	237377	51.471	ug/l	95
57) 1,3-Dichloropropane	10.95	76	309047	53.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	492833	263.807	ug/l	98
59) 2-Hexanone	10.99	43	488453	241.529	ug/l	98
60) Dibromochloromethane	11.14	129	244462	53.140	ug/l	99
61) 1,2-Dibromoethane	11.25	107	179228	54.276	ug/l	99
64) Tetrachloroethene	10.88	164	236793	46.984	ug/l	97
65) Chlorobenzene	11.67	112	662870	49.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	259318	51.178	ug/l	99
67) Ethyl Benzene	11.75	91	1164153	48.297	ug/l	99
68) m/p-Xylenes	11.86	106	897808	97.175	ug/l	99
69) o-Xylene	12.18	106	415729	48.517	ug/l	100
70) Styrene	12.20	104	740791	49.527	ug/l	99
71) Bromoform	12.37	173	148150	51.376	ug/l #	97
73) Isopropylbenzene	12.48	105	1140061	47.317	ug/l	99
74) N-amyl acetate	12.30	43	265099	46.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	191764	52.820	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	122774m	46.435	ug/l	
77) Bromobenzene	12.77	156	296303	50.620	ug/l	96
78) n-propylbenzene	12.83	91	1295316	47.055	ug/l	99
79) 2-Chlorotoluene	12.91	91	720911	46.386	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	929464	46.947	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59595	44.772	ug/l	98
82) 4-Chlorotoluene	13.01	91	756790	46.686	ug/l	98
83) tert-Butylbenzene	13.23	119	816924	46.795	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	943202	48.256	ug/l	100
85) sec-Butylbenzene	13.41	105	1089122	46.450	ug/l	99
86) p-Isopropyltoluene	13.53	119	1051187	47.157	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	535938	49.323	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	530936	50.065	ug/l	100
89) n-Butylbenzene	13.86	91	943817	46.866	ug/l	99
90) Hexachloroethane	14.12	117	196605	47.724	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	467192	50.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29339	45.198	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	356914	50.308	ug/l	100
94) Hexachlorobutadiene	15.28	225	222423	48.539	ug/l	100
95) Naphthalene	15.41	128	608694	52.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	310350	51.462	ug/l	100

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

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