

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067483.D
 Acq On : 02 Nov 2020 11:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:17:20 PM

Quant Time: Nov 03 10:23:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	287402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	429029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	393548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133132	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	7.92	113	142092	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.34	98	506257	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.64	95	173561	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	101395	43.372	ug/l	99
3) Chloromethane	2.21	50	71669	39.623	ug/l	97
4) Vinyl Chloride	2.36	62	85739	43.202	ug/l	97
5) Bromomethane	2.78	94	71418	51.798	ug/l	95
6) Chloroethane	2.93	64	55309	44.750	ug/l	89
7) Trichlorofluoromethane	3.28	101	252782	50.583	ug/l	99
8) Diethyl Ether	3.71	74	49880	43.619	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	130286	49.070	ug/l	97
10) Methyl Iodide	4.30	142	139227	56.845	ug/l	98
11) Tert butyl alcohol	5.21	59	30250	191.381	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	115549	48.714	ug/l	92
13) Acrolein	3.93	56	26108	160.232	ug/l	96
14) Allyl chloride	4.71	41	133364	49.097	ug/l	94
15) Acrylonitrile	5.42	53	90132	236.216	ug/l	99
16) Acetone	4.16	43	108386	268.780	ug/l	89
17) Carbon Disulfide	4.41	76	276178	40.842	ug/l	99
18) Methyl Acetate	4.72	43	42000	45.664	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	230918	48.960	ug/l	93
20) Methylene Chloride	4.97	84	131781	51.118	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	132813	48.656	ug/l	97
22) Diisopropyl ether	6.36	45	246724	49.721	ug/l	96
23) Vinyl Acetate	6.31	43	698169	247.309	ug/l	99
24) 1,1-Dichloroethane	6.26	63	213850	50.346	ug/l	98
25) 2-Butanone	7.21	43	107201	233.215	ug/l	95
26) 2,2-Dichloropropane	7.21	77	234453	53.551	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	150501	50.308	ug/l	97
28) Bromochloromethane	7.55	49	73074	50.437	ug/l #	98
29) Tetrahydrofuran	7.56	42	58017	227.056	ug/l	94
30) Chloroform	7.71	83	258636	50.970	ug/l	89
31) Cyclohexane	7.99	56	147583	44.501	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	265924	53.413	ug/l	98
36) 1,1-Dichloropropene	8.11	75	183831	50.554	ug/l	99
37) Ethyl Acetate	7.29	43	48794	45.608	ug/l	97
38) Carbon Tetrachloride	8.10	117	244091	52.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	191337	50.332	ug/l	96
40) Benzene	8.36	78	509708	51.094	ug/l	97
41) Methacrylonitrile	7.52	41	28401m	49.125	ug/l	
42) 1,2-Dichloroethane	8.43	62	155934	49.948	ug/l	99
43) Isopropyl Acetate	8.46	43	101521	47.822	ug/l	99
44) Trichloroethene	9.11	130	167701	52.505	ug/l	99
45) 1,2-Dichloropropane	9.39	63	111139	48.071	ug/l	95
46) Dibromomethane	9.48	93	67399	46.789	ug/l	99
47) Bromodichloromethane	9.67	83	198436	51.417	ug/l	99
48) Methyl methacrylate	9.46	41	48723	47.228	ug/l	93
49) 1,4-Dioxane	9.46	88	12117	865.134	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	246382	232.692	ug/l	100
52) Toluene	10.41	92	438247	64.500	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175942	51.896	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	198595	50.053	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	96796	49.278	ug/l	93
56) Ethyl methacrylate	10.67	69	101383	49.766	ug/l	97
57) 1,3-Dichloropropane	10.95	76	154887	49.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	263803	252.426	ug/l	97
59) 2-Hexanone	10.99	43	172716	238.712	ug/l	99
60) Dibromochloromethane	11.15	129	138690	48.415	ug/l	98
61) 1,2-Dibromoethane	11.26	107	92850	47.947	ug/l	98
64) Tetrachloroethene	10.88	164	140516	49.280	ug/l	97
65) Chlorobenzene	11.68	112	389647	51.631	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	155207	51.746	ug/l	99
67) Ethyl Benzene	11.75	91	708069	54.734	ug/l	100
68) m/p-Xylenes	11.86	106	535715	107.538	ug/l	97
69) o-Xylene	12.18	106	247441	53.639	ug/l #	1
70) Styrene	12.20	104	418215	52.665	ug/l #	88
71) Bromoform	12.37	173	79561	49.375	ug/l #	100
73) Isopropylbenzene	12.48	105	730994	61.451	ug/l	97
74) N-amyl acetate	12.29	43	94870	52.805	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.74	83	91988	50.469	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	63399m	48.804	ug/l	
77) Bromobenzene	12.77	156	162835	54.907	ug/l	81
78) n-propylbenzene	12.83	91	893997	64.865	ug/l	94
79) 2-Chlorotoluene	12.91	91	455010	56.928	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	601016	58.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31344	54.716	ug/l	95
82) 4-Chlorotoluene	13.01	91	578243	68.164	ug/l	89
83) tert-Butylbenzene	13.21	119	1176082	134.688	ug/l	79
84) 1,2,4-Trimethylbenzene	13.27	105	586303	57.386	ug/l	98
85) sec-Butylbenzene	13.41	105	709038	59.178	ug/l	100
86) p-Isopropyltoluene	13.52	119	668696	59.130	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	315646	55.297	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	577906	102.186	ug/l	99
89) n-Butylbenzene	13.85	91	595690	59.875	ug/l	99
90) Hexachloroethane	14.12	117	112906	57.212	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	270211	54.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16598	50.126	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	199602	59.368	ug/l	97
94) Hexachlorobutadiene	15.28	225	129919	62.227	ug/l	99
95) Naphthalene	15.41	128	320659	58.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	164767	56.727	ug/l	99

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

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