

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067553.D
 Acq On : 06 Nov 2020 15:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:44:48 AM

Quant Time: Nov 07 00:00:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	325910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	461707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	420438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128346	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
35) Dibromofluoromethane	7.92	113	132428	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	10.34	98	452074	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.63	95	161328	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	123734	46.592	ug/l	98
3) Chloromethane	2.21	50	82695	40.746	ug/l	96
4) Vinyl Chloride	2.35	62	96154	42.495	ug/l	97
5) Bromomethane	2.77	94	76969	41.968	ug/l	97
6) Chloroethane	2.93	64	60458	43.339	ug/l	99
7) Trichlorofluoromethane	3.27	101	265609	45.336	ug/l	95
8) Diethyl Ether	3.71	74	54265	45.967	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	138176	46.723	ug/l	99
10) Methyl Iodide	4.30	142	147914	46.666	ug/l	99
11) Tert butyl alcohol	5.22	59	32392	264.976	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	124429	45.742	ug/l	93
13) Acrolein	3.92	56	34567	270.646	ug/l	99
14) Allyl chloride	4.71	41	134603	46.235	ug/l	98
15) Acrylonitrile	5.42	53	100251	229.729	ug/l	98
16) Acetone	4.16	43	97249	228.046	ug/l	99
17) Carbon Disulfide	4.41	76	367004	44.029	ug/l	98
18) Methyl Acetate	4.71	43	39346	44.649	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	262330	48.891	ug/l	99
20) Methylene Chloride	4.96	84	139479	46.302	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	144313	45.549	ug/l	95
22) Diisopropyl ether	6.36	45	266482	46.971	ug/l	95
23) Vinyl Acetate	6.31	43	723782	243.722	ug/l	95
24) 1,1-Dichloroethane	6.27	63	208326	44.885	ug/l	96
25) 2-Butanone	7.21	43	105284	231.054	ug/l	94
26) 2,2-Dichloropropane	7.21	77	228948	46.739	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150933	45.896	ug/l	98
28) Bromochloromethane	7.54	49	79666	48.255	ug/l	96
29) Tetrahydrofuran	7.56	42	65931	241.552	ug/l	97
30) Chloroform	7.71	83	257218	46.454	ug/l	99
31) Cyclohexane	7.98	56	177070	42.841	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	264791	46.349	ug/l	100
36) 1,1-Dichloropropene	8.11	75	189585	47.970	ug/l	100
37) Ethyl Acetate	7.29	43	49907	48.640	ug/l	97
38) Carbon Tetrachloride	8.10	117	255645	49.786	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	231407	49.748	ug/l	97
40) Benzene	8.35	78	514283	48.040	ug/l	99
41) Methacrylonitrile	7.53	41	28987m	47.263	ug/l	
42) 1,2-Dichloroethane	8.43	62	157803	47.709	ug/l	99
43) Isopropyl Acetate	8.45	43	100787	49.668	ug/l	99
44) Trichloroethene	9.12	130	168417	47.846	ug/l	89
45) 1,2-Dichloropropane	9.39	63	110021	47.534	ug/l	98
46) Dibromomethane	9.48	93	70990	48.238	ug/l	99
47) Bromodichloromethane	9.67	83	196437	49.109	ug/l	97
48) Methyl methacrylate	9.46	41	55305	52.786	ug/l	95
49) 1,4-Dioxane	9.47	88	14630	979.249	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	245048	252.503	ug/l	99
52) Toluene	10.41	92	357085	49.799	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175148	51.125	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	199095	48.914	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	95197	48.889	ug/l	98
56) Ethyl methacrylate	10.66	69	103656	51.549	ug/l	99
57) 1,3-Dichloropropane	10.95	76	154352	49.260	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	250470	267.110	ug/l	99
59) 2-Hexanone	10.98	43	173980	256.397	ug/l	100
60) Dibromochloromethane	11.14	129	144012	49.997	ug/l	100
61) 1,2-Dibromoethane	11.25	107	95659	48.948	ug/l	100
64) Tetrachloroethene	10.88	164	152112	48.852	ug/l	95
65) Chlorobenzene	11.67	112	385434	47.592	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	150756	47.229	ug/l	97
67) Ethyl Benzene	11.75	91	686226	49.516	ug/l	98
68) m/p-Xylenes	11.86	106	532348	98.736	ug/l	100
69) o-Xylene	12.18	106	239371	49.726	ug/l	99
70) Styrene	12.20	104	415683	49.556	ug/l	99
71) Bromoform	12.37	173	80847	49.662	ug/l #	100
73) Isopropylbenzene	12.48	105	688373	49.921	ug/l	99
74) N-amyl acetate	12.29	43	91641	50.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	89787	47.751	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	54583m	42.407	ug/l	
77) Bromobenzene	12.77	156	162072	47.859	ug/l	97
78) n-propylbenzene	12.83	91	776423	49.227	ug/l	99
79) 2-Chlorotoluene	12.91	91	436445	48.713	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	588319	49.945	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29640	46.753	ug/l	97
82) 4-Chlorotoluene	13.01	91	461990	48.079	ug/l	100
83) tert-Butylbenzene	13.23	119	514849	51.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	587714	50.124	ug/l	100
85) sec-Butylbenzene	13.40	105	678376	50.337	ug/l	100
86) p-Isopropyltoluene	13.52	119	649455	49.904	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	309309	47.867	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	307896	47.057	ug/l	99
89) n-Butylbenzene	13.84	91	566694	50.413	ug/l	98
90) Hexachloroethane	14.11	117	120115	49.011	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	269807	48.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16353	49.121	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	195154	51.414	ug/l	98
94) Hexachlorobutadiene	15.27	225	122070	48.052	ug/l	98
95) Naphthalene	15.40	128	310951	53.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	162289	49.929	ug/l	99

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

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