

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067917.D
 Acq On : 09 Dec 2020 09:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:19:26 AM

Quant Time: Dec 10 03:22:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	203570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	282696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	259768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100539	46.00	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.00%
35) Dibromofluoromethane	7.91	113	89624	47.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.76%
50) Toluene-d8	10.34	98	329009	48.32	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.64%
62) 4-Bromofluorobenzene	12.64	95	119322	50.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90382	51.017	ug/l	99
3) Chloromethane	2.21	50	46670	45.646	ug/l	98
4) Vinyl Chloride	2.36	62	61607	47.844	ug/l	100
5) Bromomethane	2.77	94	61441	53.449	ug/l	96
6) Chloroethane	2.93	64	40667	48.507	ug/l	99
7) Trichlorofluoromethane	3.28	101	195792	49.690	ug/l	92
8) Diethyl Ether	3.71	74	32551	42.385	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	85299	47.473	ug/l	97
10) Methyl Iodide	4.30	142	88262	46.344	ug/l	99
11) Tert butyl alcohol	5.20	59	24635	210.078	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	81071	48.060	ug/l	95
13) Acrolein	3.93	56	20017	238.348	ug/l	98
14) Allyl chloride	4.72	41	72043	46.166	ug/l	94
15) Acrylonitrile	5.42	53	56695	212.903	ug/l	97
16) Acetone	4.16	43	63269	234.287	ug/l	90
17) Carbon Disulfide	4.41	76	213610	45.355	ug/l	96
18) Methyl Acetate	4.72	43	21149	41.608	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	168162	46.555	ug/l	100
20) Methylene Chloride	4.97	84	85731	48.921	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	91593	47.716	ug/l	85
22) Diisopropyl ether	6.36	45	139194	44.348	ug/l #	89
23) Vinyl Acetate	6.31	43	413784	236.979	ug/l	99
24) 1,1-Dichloroethane	6.27	63	127507	46.344	ug/l	97
25) 2-Butanone	7.21	43	60485	212.946	ug/l	92
26) 2,2-Dichloropropane	7.21	77	162372	49.490	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98325	46.831	ug/l	98
28) Bromochloromethane	7.55	49	42636	48.808	ug/l #	99
29) Tetrahydrofuran	7.56	42	32740	202.439	ug/l	94
30) Chloroform	7.71	83	168479	45.822	ug/l	99
31) Cyclohexane	7.98	56	101346	44.016	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	194110	50.011	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122028	49.863	ug/l	98
37) Ethyl Acetate	7.30	43	28932m	43.864	ug/l	
38) Carbon Tetrachloride	8.10	117	191599	51.744	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141524	48.799	ug/l	96
40) Benzene	8.36	78	326565	48.767	ug/l	97
41) Methacrylonitrile	7.53	41	16313	52.286	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	114995	48.183	ug/l	99
43) Isopropyl Acetate	8.45	43	57249	44.112	ug/l	97
44) Trichloroethene	9.11	130	112289	48.772	ug/l	97
45) 1,2-Dichloropropane	9.39	63	61565	44.794	ug/l	97
46) Dibromomethane	9.48	93	44503	46.571	ug/l	97
47) Bromodichloromethane	9.66	83	133660	49.063	ug/l	93
48) Methyl methacrylate	9.46	41	26602	40.367	ug/l	92
49) 1,4-Dioxane	9.46	88	8238	754.457	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	137554	223.945	ug/l	99
52) Toluene	10.41	92	227003	48.486	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115932	49.305	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	122823	48.022	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58562	44.781	ug/l	97
56) Ethyl methacrylate	10.66	69	60831	45.719	ug/l	96
57) 1,3-Dichloropropane	10.95	76	92233	44.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	153899	254.189	ug/l	96
59) 2-Hexanone	10.98	43	104152	240.536	ug/l	100
60) Dibromochloromethane	11.14	129	94304	47.838	ug/l	100
61) 1,2-Dibromoethane	11.25	107	59268	46.086	ug/l	98
64) Tetrachloroethene	10.88	164	98751	46.605	ug/l	98
65) Chlorobenzene	11.67	112	257789	48.095	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	104250	47.686	ug/l	96
67) Ethyl Benzene	11.75	91	448313	49.099	ug/l	99
68) m/p-Xylenes	11.86	106	348490	96.793	ug/l	99
69) o-Xylene	12.18	106	160304	50.153	ug/l	100
70) Styrene	12.20	104	271518	48.853	ug/l	99
71) Bromoform	12.36	173	54690	47.260	ug/l #	97
73) Isopropylbenzene	12.48	105	464400	50.277	ug/l	100
74) N-amyl acetate	12.29	43	48857	42.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	50357	41.293	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	42754m	43.710	ug/l	
77) Bromobenzene	12.77	156	112568	49.020	ug/l	98
78) n-propylbenzene	12.83	91	504396	49.269	ug/l	99
79) 2-Chlorotoluene	12.91	91	290799	48.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	401411	50.193	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17896	43.766	ug/l	94
82) 4-Chlorotoluene	13.01	91	312937	48.709	ug/l	99
83) tert-Butylbenzene	13.23	119	353057	51.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	399431	50.227	ug/l	100
85) sec-Butylbenzene	13.40	105	444763	48.966	ug/l	99
86) p-Isopropyltoluene	13.52	119	441841	49.633	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	213051	48.096	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206549	46.608	ug/l	100
89) n-Butylbenzene	13.84	91	366637	49.574	ug/l	99
90) Hexachloroethane	14.11	117	77081	46.900	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	178923	46.572	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10766	42.301	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	130352	48.505	ug/l	99
94) Hexachlorobutadiene	15.27	225	87799	50.068	ug/l	98
95) Naphthalene	15.40	128	205634	47.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	109592	47.222	ug/l	98

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

