

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067855.D
 Acq On : 03 Dec 2020 00:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:57:03 AM

Quant Time: Dec 03 02:54:01 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	210062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	116924	51.85	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.70%
35) Dibromofluoromethane	7.91	113	105700	49.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.62%
50) Toluene-d8	10.34	98	374154	48.98	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.96%
62) 4-Bromofluorobenzene	12.64	95	140464	53.18	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	91405	50.000	ug/l	100
3) Chloromethane	2.21	50	48243	45.727	ug/l	99
4) Vinyl Chloride	2.35	62	65020	48.934	ug/l	96
5) Bromomethane	2.77	94	80194	67.607	ug/l	93
6) Chloroethane	2.92	64	44867	51.862	ug/l	99
7) Trichlorofluoromethane	3.28	101	192112	47.249	ug/l	93
8) Diethyl Ether	3.71	74	41289	52.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84437	45.541	ug/l	97
10) Methyl Iodide	4.30	142	69893	35.565	ug/l	98
11) Tert butyl alcohol	5.22	59	30804	270.339	ug/l	99
12) 1,1-Dichloroethene	4.07	96	82617	47.463	ug/l	97
13) Acrolein	3.93	56	21903	252.745	ug/l	93
14) Allyl chloride	4.72	41	79968	49.660	ug/l	95
15) Acrylonitrile	5.43	53	70907	258.043	ug/l	97
16) Acetone	4.16	43	61936	222.262	ug/l	98
17) Carbon Disulfide	4.41	76	236206	48.603	ug/l	99
18) Methyl Acetate	4.71	43	27462	52.549	ug/l #	84
19) Methyl tert-butyl Ether	5.48	73	207695	55.723	ug/l	98
20) Methylene Chloride	4.97	84	104337	58.500	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	102566	51.781	ug/l	99
22) Diisopropyl ether	6.36	45	170753	52.722	ug/l #	87
23) Vinyl Acetate	6.31	43	507760	281.813	ug/l	96
24) 1,1-Dichloroethane	6.27	63	147115	51.818	ug/l	99
25) 2-Butanone	7.22	43	75732	258.385	ug/l	93
26) 2,2-Dichloropropane	7.22	77	158259	46.746	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113345	52.317	ug/l	99
28) Bromochloromethane	7.56	49	49770	55.214	ug/l #	96
29) Tetrahydrofuran	7.57	42	42942	257.314	ug/l	92
30) Chloroform	7.71	83	198254	52.253	ug/l	97
31) Cyclohexane	7.98	56	102944	43.329	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	201225	50.242	ug/l	98
36) 1,1-Dichloropropene	8.12	75	127710	46.516	ug/l	99
37) Ethyl Acetate	7.30	43	35807	48.391	ug/l	96
38) Carbon Tetrachloride	8.10	117	190751	45.920	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146901	45.151	ug/l	93
40) Benzene	8.36	78	373251	49.684	ug/l	98
41) Methacrylonitrile	7.53	41	19824m	57.047	ug/l	
42) 1,2-Dichloroethane	8.43	62	137308	51.283	ug/l	98
43) Isopropyl Acetate	8.45	43	72067	49.499	ug/l	97
44) Trichloroethene	9.12	130	122627	47.477	ug/l	96
45) 1,2-Dichloropropane	9.39	63	73793	47.859	ug/l	96
46) Dibromomethane	9.48	93	54545	50.880	ug/l	99
47) Bromodichloromethane	9.67	83	155710	50.949	ug/l	99
48) Methyl methacrylate	9.46	41	36652	49.576	ug/l	92
49) 1,4-Dioxane	9.47	88	11169	911.781	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	177850	258.098	ug/l	98
52) Toluene	10.41	92	258769	49.267	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	133110	50.461	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145023	50.543	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71254	48.568	ug/l	96
56) Ethyl methacrylate	10.66	69	74512	49.918	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114484	49.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	184797	272.070	ug/l	100
59) 2-Hexanone	10.99	43	122669	252.528	ug/l	97
60) Dibromochloromethane	11.14	129	111794	50.551	ug/l	99
61) 1,2-Dibromoethane	11.25	107	74194	51.426	ug/l	96
64) Tetrachloroethene	10.88	164	110314	44.967	ug/l	98
65) Chlorobenzene	11.67	112	295879	47.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	123002	48.596	ug/l	97
67) Ethyl Benzene	11.75	91	511476	48.383	ug/l	99
68) m/p-Xylenes	11.86	106	395252	94.820	ug/l	100
69) o-Xylene	12.18	106	182356	49.277	ug/l	99
70) Styrene	12.20	104	323265	50.237	ug/l	99
71) Bromoform	12.36	173	65271	48.716	ug/l #	95
73) Isopropylbenzene	12.48	105	507694	46.775	ug/l	99
74) N-amyl acetate	12.29	43	65617	48.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	65118	45.442	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	51203m	44.549	ug/l	
77) Bromobenzene	12.76	156	128533	47.634	ug/l	98
78) n-propylbenzene	12.83	91	559648	46.521	ug/l	100
79) 2-Chlorotoluene	12.91	91	330667	46.723	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	446349	47.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19938	41.495	ug/l	92
82) 4-Chlorotoluene	13.01	91	349639	46.314	ug/l	100
83) tert-Butylbenzene	13.23	119	376256	47.051	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	451127	48.276	ug/l	98
85) sec-Butylbenzene	13.40	105	485806	45.516	ug/l	100
86) p-Isopropyltoluene	13.52	119	472714	45.190	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	242377	46.565	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	235692	45.261	ug/l	100
89) n-Butylbenzene	13.84	91	384873	44.286	ug/l	99
90) Hexachloroethane	14.11	117	89214	46.195	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	212583	47.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13706	45.830	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150187	47.560	ug/l	99
94) Hexachlorobutadiene	15.27	225	91114	44.218	ug/l	97
95) Naphthalene	15.40	128	253750	49.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	132623	48.632	ug/l	99

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

