

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067835.D
 Acq On : 02 Dec 2020 14:39
 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
 12/3/2020 9:56:33 AM

Quant Time: Dec 03 01:34:02 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	247142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	326086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	126790	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	116292	48.74	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.48%
50) Toluene-d8	10.34	98	429523	50.01	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.02%
62) 4-Bromofluorobenzene	12.64	95	156611	52.74	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114328	53.156	ug/l	98
3) Chloromethane	2.21	50	51466	41.463	ug/l	99
4) Vinyl Chloride	2.35	62	77586	49.630	ug/l	90
5) Bromomethane	2.77	94	103190	73.942	ug/l	86
6) Chloroethane	2.93	64	51916	51.007	ug/l	100
7) Trichlorofluoromethane	3.27	101	241703	50.527	ug/l	92
8) Diethyl Ether	3.71	74	44191	47.396	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	111126	50.944	ug/l	96
10) Methyl Iodide	4.30	142	66433	28.733	ug/l	97
11) Tert butyl alcohol	5.22	59	36973	277.299	ug/l	95
12) 1,1-Dichloroethene	4.07	96	105294	51.415	ug/l	94
13) Acrolein	3.92	56	22181	217.551	ug/l	98
14) Allyl chloride	4.71	41	99256	52.390	ug/l	99
15) Acrylonitrile	5.42	53	77792	240.624	ug/l	97
16) Acetone	4.16	43	93062	283.855	ug/l #	89
17) Carbon Disulfide	4.41	76	281345	49.205	ug/l	97
18) Methyl Acetate	4.71	43	29680	48.212	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	225907	51.515	ug/l	98
20) Methylene Chloride	4.97	84	109623	51.764	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	119146	51.127	ug/l	93
22) Diisopropyl ether	6.36	45	190697	50.046	ug/l	96
23) Vinyl Acetate	6.30	43	567879	267.891	ug/l	98
24) 1,1-Dichloroethane	6.26	63	165047	49.412	ug/l #	94
25) 2-Butanone	7.21	43	85033	246.590	ug/l	99
26) 2,2-Dichloropropane	7.21	77	207700	52.145	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124404	48.806	ug/l	96
28) Bromochloromethane	7.56	49	51791	48.836	ug/l #	94
29) Tetrahydrofuran	7.56	42	48434	246.679	ug/l	98
30) Chloroform	7.71	83	214748	48.108	ug/l	96
31) Cyclohexane	7.99	56	137251	49.101	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	238717	50.661	ug/l	99
36) 1,1-Dichloropropene	8.11	75	155216	50.285	ug/l	98
37) Ethyl Acetate	7.30	43	38219	45.941	ug/l #	95
38) Carbon Tetrachloride	8.10	117	233380	49.971	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190083	51.965	ug/l	95
40) Benzene	8.36	78	411814	48.758	ug/l	99
41) Methacrylonitrile	7.53	41	19310	48.768	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	144907	48.138	ug/l	99
43) Isopropyl Acetate	8.46	43	79378	48.493	ug/l	99
44) Trichloroethene	9.11	130	141445	48.709	ug/l	93
45) 1,2-Dichloropropane	9.39	63	81722	47.142	ug/l	96
46) Dibromomethane	9.48	93	57160	47.425	ug/l	98
47) Bromodichloromethane	9.67	83	164358	47.833	ug/l	95
48) Methyl methacrylate	9.46	41	44333	53.337	ug/l	90
49) 1,4-Dioxane	9.46	88	13204	958.750	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	187828	242.446	ug/l	99
52) Toluene	10.41	92	288418	48.842	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145074	48.917	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	154308	47.834	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75233	45.611	ug/l	98
56) Ethyl methacrylate	10.67	69	80560	48.004	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122612	46.928	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198009	259.295	ug/l	99
59) 2-Hexanone	10.98	43	137427	251.635	ug/l	99
60) Dibromochloromethane	11.14	129	117505	47.259	ug/l	98
61) 1,2-Dibromoethane	11.25	107	75598	46.607	ug/l	100
64) Tetrachloroethene	10.88	164	125592	47.218	ug/l	98
65) Chlorobenzene	11.67	112	326013	48.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130808	47.666	ug/l	97
67) Ethyl Benzene	11.75	91	572306	49.931	ug/l	95
68) m/p-Xylenes	11.86	106	446413	98.775	ug/l	96
69) o-Xylene	12.18	106	200113	49.875	ug/l	98
70) Styrene	12.20	104	339693	48.689	ug/l	98
71) Bromoform	12.36	173	68493	47.150	ug/l #	98
73) Isopropylbenzene	12.48	105	587735	49.140	ug/l	99
74) N-amyl acetate	12.29	43	70984	47.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	69698	44.138	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56283m	44.438	ug/l	
77) Bromobenzene	12.76	156	138834	46.691	ug/l	97
78) n-propylbenzene	12.83	91	647454	48.841	ug/l	99
79) 2-Chlorotoluene	12.91	91	369595	47.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	506745	48.935	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22588	42.661	ug/l	96
82) 4-Chlorotoluene	13.01	91	394746	47.451	ug/l	98
83) tert-Butylbenzene	13.23	119	442544	50.220	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	493179	47.894	ug/l	99
85) sec-Butylbenzene	13.41	105	571323	48.576	ug/l	99
86) p-Isopropyltoluene	13.52	119	548135	47.552	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261491	45.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	259236	45.176	ug/l	99
89) n-Butylbenzene	13.85	91	471351	49.219	ug/l	99
90) Hexachloroethane	14.11	117	97899	46.002	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225761	45.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14491	43.972	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	169656	48.755	ug/l	98
94) Hexachlorobutadiene	15.27	225	108937	47.976	ug/l	98
95) Naphthalene	15.40	128	274665	48.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	141925	47.228	ug/l	99

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

