

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066427.D
 Acq On : 26 Aug 2020 18:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 3:08:42 PM

Quant Time: Aug 27 08:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	170741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126601	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99332	59.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.68%	
35) Dibromofluoromethane	7.91	113	79358	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.33	98	297162	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.63	95	113090	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	56847	39.163	ug/l	100
3) Chloromethane	2.20	50	41452	40.287	ug/l	98
4) Vinyl Chloride	2.34	62	44503	40.285	ug/l	100
5) Bromomethane	2.76	94	50277	60.846	ug/l	98
6) Chloroethane	2.92	64	32636	46.137	ug/l	99
7) Trichlorofluoromethane	3.27	101	141404	47.072	ug/l	99
8) Diethyl Ether	3.70	74	33400	49.624	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62686	42.284	ug/l	99
10) Methyl Iodide	4.30	142	40880	24.177	ug/l	98
11) Tert butyl alcohol	5.21	59	31167	340.745	ug/l	96
12) 1,1-Dichloroethene	4.06	96	60050	43.152	ug/l	97
13) Acrolein	3.92	56	12386	166.628	ug/l	97
14) Allyl chloride	4.71	41	80403	43.287	ug/l	89
15) Acrylonitrile	5.43	53	63588	235.468	ug/l	98
16) Acetone	4.15	43	58019	192.253	ug/l	95
17) Carbon Disulfide	4.40	76	179087	42.464	ug/l #	94
18) Methyl Acetate	4.71	43	26812	47.337	ug/l	90
19) Methyl tert-butyl Ether	5.47	73	178062	53.140	ug/l	93
20) Methylene Chloride	4.96	84	73285	44.783	ug/l #	94
21) trans-1,2-Dichloroethene	5.47	96	74393	45.925	ug/l	98
22) Diisopropyl ether	6.36	45	162014	45.051	ug/l	96
23) Vinyl Acetate	6.30	43	515917	231.740	ug/l	96
24) 1,1-Dichloroethane	6.26	63	117606	46.277	ug/l	99
25) 2-Butanone	7.21	43	75762	221.138	ug/l	96
26) 2,2-Dichloropropane	7.21	77	124873	45.845	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	81044	46.692	ug/l	97
28) Bromochloromethane	7.54	49	47727	54.521	ug/l	90
29) Tetrahydrofuran	7.56	42	43613	224.125	ug/l	94
30) Chloroform	7.71	83	152124	51.737	ug/l	100
31) Cyclohexane	7.98	56	87533	37.660	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151919	50.483	ug/l	100
36) 1,1-Dichloropropene	8.10	75	99246	43.843	ug/l	97
37) Ethyl Acetate	7.28	43	31752	41.241	ug/l #	87
38) Carbon Tetrachloride	8.09	117	145833	49.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	115290	43.236	ug/l	96
40) Benzene	8.34	78	280475	47.099	ug/l	99
41) Methacrylonitrile	7.48	41	43895m	92.452	ug/l	
42) 1,2-Dichloroethane	8.41	62	115588	55.111	ug/l	98
43) Isopropyl Acetate	8.44	43	73826	47.774	ug/l	100
44) Trichloroethene	9.10	130	93480	48.310	ug/l	96
45) 1,2-Dichloropropane	9.38	63	60401	44.741	ug/l	99
46) Dibromomethane	9.47	93	43909	52.238	ug/l	96
47) Bromodichloromethane	9.66	83	120713	52.221	ug/l	100
48) Methyl methacrylate	9.45	41	36846	46.239	ug/l #	90
49) 1,4-Dioxane	9.45	88	9633	986.970	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	180867	241.943	ug/l	99
52) Toluene	10.40	92	196755	48.768	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	110113	50.202	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	117332	47.657	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	54489	47.885	ug/l	94
56) Ethyl methacrylate	10.66	69	65757	49.919	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	92231	49.001	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	151073	276.133	ug/l	92
59) 2-Hexanone	10.98	43	128030	242.801	ug/l	100
60) Dibromochloromethane	11.14	129	87659	51.106	ug/l	99
61) 1,2-Dibromoethane	11.24	107	55425	49.494	ug/l	96
64) Tetrachloroethene	10.87	164	83870	46.361	ug/l	95
65) Chlorobenzene	11.67	112	226300	47.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	97307	50.186	ug/l	97
67) Ethyl Benzene	11.74	91	397784	47.630	ug/l	100
68) m/p-Xylenes	11.85	106	300599	94.432	ug/l	97
69) o-Xylene	12.18	106	142136	47.997	ug/l	98
70) Styrene	12.19	104	249498	49.068	ug/l	98
71) Bromoform	12.36	173	54863	49.873	ug/l #	98
73) Isopropylbenzene	12.48	105	396827	46.790	ug/l	100
74) N-amyl acetate	12.29	43	70202	45.831	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	54353	44.863	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	38087m	42.763	ug/l	
77) Bromobenzene	12.76	156	102964	47.833	ug/l	98
78) n-propylbenzene	12.82	91	435418	44.777	ug/l	99
79) 2-Chlorotoluene	12.91	91	259912	46.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	344327	47.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19267	45.919	ug/l	95
82) 4-Chlorotoluene	13.00	91	276139	46.929	ug/l	98
83) tert-Butylbenzene	13.23	119	298630	46.953	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	350659	48.755	ug/l	98
85) sec-Butylbenzene	13.40	105	382695	45.924	ug/l	100
86) p-Isopropyltoluene	13.52	119	372334	46.338	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	189351	47.124	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189673	47.013	ug/l	98
89) n-Butylbenzene	13.84	91	312692	44.099	ug/l	99
90) Hexachloroethane	14.11	117	73406	46.246	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	167618	48.458	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12493	49.166	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	132048	48.899	ug/l	98
94) Hexachlorobutadiene	15.27	225	77518	46.192	ug/l	100
95) Naphthalene	15.40	128	218224	51.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	116078	50.178	ug/l	98

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

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