

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067261.D
 Acq On : 14 Oct 2020 10:26
 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
 10/15/2020 12:18:43 PM

Quant Time: Oct 15 06:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	334351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	492695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162294	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.91	113	167342	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.34	98	606637	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.64	95	207895	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	144905	54.375	ug/l	94
3) Chloromethane	2.21	50	100726	47.868	ug/l	99
4) Vinyl Chloride	2.35	62	114224	49.473	ug/l	93
5) Bromomethane	2.77	94	91392	57.223	ug/l	100
6) Chloroethane	2.92	64	69194	48.123	ug/l	96
7) Trichlorofluoromethane	3.27	101	292449	50.303	ug/l	96
8) Diethyl Ether	3.71	74	61318	46.092	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	154572	50.043	ug/l	99
10) Methyl Iodide	4.30	142	145584	51.094	ug/l	98
11) Tert butyl alcohol	5.22	59	36824	202.846	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	138580	50.220	ug/l	100
13) Acrolein	3.93	56	48772	244.172	ug/l	99
14) Allyl chloride	4.71	41	157136	49.725	ug/l	99
15) Acrylonitrile	5.42	53	112496	253.428	ug/l	97
16) Acetone	4.16	43	137136	292.323	ug/l	91
17) Carbon Disulfide	4.41	76	385024	48.944	ug/l	100
18) Methyl Acetate	4.72	43	49502	46.263	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	271269	49.439	ug/l	98
20) Methylene Chloride	4.96	84	149406	49.692	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	159403	50.197	ug/l	95
22) Diisopropyl ether	6.36	45	297189	51.481	ug/l	95
23) Vinyl Acetate	6.30	43	881627	268.442	ug/l	98
24) 1,1-Dichloroethane	6.26	63	246877	49.960	ug/l	99
25) 2-Butanone	7.21	43	137148	256.469	ug/l	96
26) 2,2-Dichloropropane	7.21	77	258224	50.698	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	173914	49.971	ug/l	96
28) Bromochloromethane	7.54	49	83973	49.821	ug/l	100
29) Tetrahydrofuran	7.56	42	77399	260.375	ug/l	97
30) Chloroform	7.71	83	298884	50.631	ug/l	90
31) Cyclohexane	7.98	56	187356	48.561	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	292642	50.526	ug/l	97
36) 1,1-Dichloropropene	8.11	75	216351	51.809	ug/l	99
37) Ethyl Acetate	7.30	43	62693	51.027	ug/l #	93
38) Carbon Tetrachloride	8.10	117	281425	52.729	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	234584	53.735	ug/l	99
40) Benzene	8.35	78	594109	51.859	ug/l	96
41) Methacrylonitrile	7.53	41	37363m	56.275	ug/l	
42) 1,2-Dichloroethane	8.43	62	182522	50.910	ug/l	98
43) Isopropyl Acetate	8.45	43	122229	50.137	ug/l	99
44) Trichloroethene	9.11	130	188291	51.334	ug/l	100
45) 1,2-Dichloropropane	9.38	63	136648	51.467	ug/l	99
46) Dibromomethane	9.48	93	84678	51.189	ug/l	95
47) Bromodichloromethane	9.67	83	229850	51.861	ug/l	96
48) Methyl methacrylate	9.46	41	59290	50.044	ug/l	98
49) 1,4-Dioxane	9.46	88	16773	1049.248	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	314223	258.415	ug/l	99
52) Toluene	10.41	92	414721	53.150	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	203653	52.308	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	231781	50.869	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115833	51.350	ug/l	99
56) Ethyl methacrylate	10.66	69	126595	54.112	ug/l	96
57) 1,3-Dichloropropane	10.95	76	183278	51.054	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	330333	275.242	ug/l	100
59) 2-Hexanone	10.98	43	224759	270.500	ug/l	99
60) Dibromochloromethane	11.14	129	170049	51.691	ug/l	99
61) 1,2-Dibromoethane	11.25	107	115062	51.739	ug/l	100
64) Tetrachloroethene	10.88	164	166583	50.816	ug/l	92
65) Chlorobenzene	11.67	112	446669	51.481	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	178100	51.648	ug/l	98
67) Ethyl Benzene	11.75	91	791997	53.251	ug/l	98
68) m/p-Xylenes	11.86	106	611101	106.699	ug/l	99
69) o-Xylene	12.18	106	280507	52.891	ug/l	96
70) Styrene	12.20	104	480035	52.580	ug/l	99
71) Bromoform	12.37	173	94003	50.743	ug/l #	99
73) Isopropylbenzene	12.48	105	796894	56.385	ug/l	100
74) N-amyl acetate	12.30	43	114886	53.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	113583	52.451	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	87039m	56.394	ug/l	
77) Bromobenzene	12.77	156	187636	53.253	ug/l	98
78) n-propylbenzene	12.83	91	908125	55.458	ug/l	99
79) 2-Chlorotoluene	12.91	91	513844	54.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	679055	55.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35155	51.652	ug/l	97
82) 4-Chlorotoluene	13.01	91	549322	54.503	ug/l	99
83) tert-Butylbenzene	13.23	119	575712	55.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	676014	55.691	ug/l	100
85) sec-Butylbenzene	13.41	105	777370	54.609	ug/l	100
86) p-Isopropyltoluene	13.53	119	745736	55.502	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	355829	52.467	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	354850	52.811	ug/l	99
89) n-Butylbenzene	13.85	91	663962	56.171	ug/l	99
90) Hexachloroethane	14.12	117	126782	54.072	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	315861	53.313	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19741	50.179	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	217992	54.572	ug/l	99
94) Hexachlorobutadiene	15.28	225	138578	55.865	ug/l	98
95) Naphthalene	15.41	128	360716	55.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	188860	54.727	ug/l	98

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

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