

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066713.D
 Acq On : 16 Sep 2020 12:09
 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
 9/17/2020 1:05:01 PM

Quant Time: Sep 17 00:55:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	450829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	725915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	644755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302646	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	236815	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
35) Dibromofluoromethane	7.91	113	225586	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.34	98	827936	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.63	95	272067	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	155633	46.264	ug/l	100
3) Chloromethane	2.21	50	203120	41.403	ug/l	96
4) Vinyl Chloride	2.35	62	220094	42.866	ug/l	96
5) Bromomethane	2.77	94	142416	39.101	ug/l	98
6) Chloroethane	2.92	64	132004	41.270	ug/l	98
7) Trichlorofluoromethane	3.27	101	391876	44.188	ug/l	98
8) Diethyl Ether	3.71	74	97190	43.765	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	216873	44.498	ug/l	98
10) Methyl Iodide	4.30	142	198631	42.954	ug/l	98
11) Tert butyl alcohol	5.22	59	68678	208.520	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	199475	44.219	ug/l	99
13) Acrolein	3.92	56	78983	232.821	ug/l	97
14) Allyl chloride	4.71	41	322278	44.486	ug/l	99
15) Acrylonitrile	5.42	53	214706	220.705	ug/l	99
16) Acetone	4.16	43	276747	282.534	ug/l	91
17) Carbon Disulfide	4.40	76	638079	45.014	ug/l	99
18) Methyl Acetate	4.72	43	95170	45.172	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	470140	46.790	ug/l	97
20) Methylene Chloride	4.96	84	237607	44.285	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	234286	44.578	ug/l	96
22) Diisopropyl ether	6.36	45	659432	44.797	ug/l	98
23) Vinyl Acetate	6.30	43	1932019	235.953	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407659	43.641	ug/l	99
25) 2-Butanone	7.21	43	306821	240.554	ug/l	99
26) 2,2-Dichloropropane	7.21	77	390426	45.199	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	252600	43.933	ug/l	96
28) Bromochloromethane	7.54	49	159805	45.802	ug/l	97
29) Tetrahydrofuran	7.56	42	176219	225.812	ug/l	97
30) Chloroform	7.71	83	430181	43.271	ug/l	99
31) Cyclohexane	7.99	56	386231	45.457	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	412695	45.365	ug/l	100
36) 1,1-Dichloropropene	8.11	75	346561	46.435	ug/l	100
37) Ethyl Acetate	7.29	43	129609	45.872	ug/l	98
38) Carbon Tetrachloride	8.09	117	369118	46.572	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	419668	49.159	ug/l	98
40) Benzene	8.35	78	910789	45.107	ug/l	100
41) Methacrylonitrile	7.53	41	82048m	54.851	ug/l	
42) 1,2-Dichloroethane	8.42	62	280823	44.892	ug/l	100
43) Isopropyl Acetate	8.45	43	243265	45.742	ug/l	99
44) Trichloroethene	9.11	130	246261	45.615	ug/l	100
45) 1,2-Dichloropropane	9.38	63	226648	45.405	ug/l	98
46) Dibromomethane	9.47	93	120499	43.930	ug/l	97
47) Bromodichloromethane	9.66	83	335885	44.938	ug/l	99
48) Methyl methacrylate	9.46	41	130843	48.369	ug/l	98
49) 1,4-Dioxane	9.46	88	26853	913.906	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	635632	232.155	ug/l	100
52) Toluene	10.40	92	592152	45.779	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	309935	46.418	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	369883	46.639	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	161732	44.720	ug/l	98
56) Ethyl methacrylate	10.66	69	203458	49.575	ug/l	98
57) 1,3-Dichloropropane	10.94	76	284426	44.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	448923	249.060	ug/l	97
59) 2-Hexanone	10.98	43	466642	253.654	ug/l	99
60) Dibromochloromethane	11.14	129	213288	45.262	ug/l	100
61) 1,2-Dibromoethane	11.24	107	156966	45.246	ug/l	99
64) Tetrachloroethene	10.87	164	197626	44.901	ug/l	95
65) Chlorobenzene	11.67	112	601692	45.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	221668	45.006	ug/l	98
67) Ethyl Benzene	11.74	91	1145403	47.371	ug/l	98
68) m/p-Xylenes	11.85	106	858569	93.949	ug/l	99
69) o-Xylene	12.18	106	378494	46.868	ug/l	99
70) Styrene	12.20	104	658658	46.339	ug/l	97
71) Bromoform	12.36	173	115946	46.907	ug/l #	96
73) Isopropylbenzene	12.48	105	1096536	48.534	ug/l	100
74) N-amyl acetate	12.29	43	227289	47.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	170594	44.435	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	131969m	50.943	ug/l	
77) Bromobenzene	12.76	156	230217	44.210	ug/l	99
78) n-propylbenzene	12.82	91	1317725	47.845	ug/l	100
79) 2-Chlorotoluene	12.91	91	722008	46.362	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	909496	47.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	56336	46.934	ug/l	98
82) 4-Chlorotoluene	13.01	91	751565	45.641	ug/l	99
83) tert-Butylbenzene	13.23	119	769823	48.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	902861	47.292	ug/l	99
85) sec-Butylbenzene	13.40	105	1099881	48.727	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013138	49.370	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	458590	45.903	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	447552	44.987	ug/l	98
89) n-Butylbenzene	13.84	91	959264	49.160	ug/l	99
90) Hexachloroethane	14.11	117	191478	45.421	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	385794	45.068	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29455	47.462	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	251013	48.481	ug/l	98
94) Hexachlorobutadiene	15.27	225	151121	48.446	ug/l	99
95) Naphthalene	15.40	128	447730	49.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215737	47.705	ug/l	100

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

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