

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064879.D
 Acq On : 20 Jan 2020 09:13
 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
 1/21/2020 9:23:18 AM

Quant Time: Jan 21 04:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	412989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	176793	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.91	113	181691	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.34	98	674733	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.64	95	214055	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	128950	40.177	ug/l	100
3) Chloromethane	2.21	50	189457	42.207	ug/l	97
4) Vinyl Chloride	2.35	62	220967	40.374	ug/l	97
5) Bromomethane	2.78	94	148667	37.359	ug/l	98
6) Chloroethane	2.93	64	150699	41.094	ug/l	95
7) Trichlorofluoromethane	3.27	101	373518	40.533	ug/l	99
8) Diethyl Ether	3.71	74	84671	46.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	183467	48.073	ug/l	99
10) Methyl Iodide	4.29	142	188251	45.921	ug/l	99
11) Tert butyl alcohol	5.25	59	49088	235.201	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	167531	46.108	ug/l	94
13) Acrolein	3.93	56	28281	97.231	ug/l	95
14) Allyl chloride	4.71	41	286856	50.637	ug/l	99
15) Acrylonitrile	5.43	53	181880	238.614	ug/l	99
16) Acetone	4.17	43	237201	319.052	ug/l	95
17) Carbon Disulfide	4.40	76	481944	41.022	ug/l	98
18) Methyl Acetate	4.72	43	93927	45.813	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	387460	48.010	ug/l	95
20) Methylene Chloride	4.97	84	200938	54.379	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	195700	47.294	ug/l	93
22) Diisopropyl ether	6.37	45	583288	51.622	ug/l	97
23) Vinyl Acetate	6.31	43	1604481	250.324	ug/l	99
24) 1,1-Dichloroethane	6.27	63	352193	51.921	ug/l	99
25) 2-Butanone	7.22	43	261561	261.296	ug/l	97
26) 2,2-Dichloropropane	7.21	77	326184	51.719	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	219776	49.214	ug/l	98
28) Bromochloromethane	7.56	49	148784	56.424	ug/l	99
29) Tetrahydrofuran	7.57	42	143244	230.109	ug/l	96
30) Chloroform	7.71	83	365999	51.427	ug/l	98
31) Cyclohexane	7.99	56	301506	44.404	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	335602	50.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	279254	48.827	ug/l	99
37) Ethyl Acetate	7.30	43	106200	47.267	ug/l	96
38) Carbon Tetrachloride	8.10	117	300318	49.245	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	320998	46.340	ug/l	97
40) Benzene	8.36	78	775921	49.697	ug/l	97
41) Methacrylonitrile	7.53	41	69604m	53.393	ug/l	
42) 1,2-Dichloroethane	8.43	62	225835	50.055	ug/l	99
43) Isopropyl Acetate	8.46	43	208694	46.666	ug/l	99
44) Trichloroethene	9.11	130	222232	48.452	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193909	52.017	ug/l	97
46) Dibromomethane	9.48	93	99799	48.018	ug/l	99
47) Bromodichloromethane	9.67	83	279468	50.532	ug/l	99
48) Methyl methacrylate	9.46	41	98136	46.605	ug/l	97
49) 1,4-Dioxane	9.47	88	21928	914.999	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	519239	234.901	ug/l	100
52) Toluene	10.41	92	505102	49.311	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	255891	49.628	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	313827	51.618	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	138855	49.574	ug/l	95
56) Ethyl methacrylate	10.67	69	166384	47.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	235887	48.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	300516	225.490	ug/l	99
59) 2-Hexanone	10.99	43	388059	258.657	ug/l	98
60) Dibromochloromethane	11.14	129	188668	48.709	ug/l	100
61) 1,2-Dibromoethane	11.25	107	129653	46.931	ug/l	99
64) Tetrachloroethene	10.88	164	188012	47.306	ug/l	98
65) Chlorobenzene	11.68	112	536475	49.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	204389	50.425	ug/l	99
67) Ethyl Benzene	11.75	91	987197	50.586	ug/l	99
68) m/p-Xylenes	11.86	106	747948	99.296	ug/l	96
69) o-Xylene	12.18	106	344107	50.576	ug/l	99
70) Styrene	12.20	104	604487	50.616	ug/l	99
71) Bromoform	12.37	173	108553	46.962	ug/l #	100
73) Isopropylbenzene	12.48	105	928336	50.575	ug/l	100
74) N-amyl acetate	12.30	43	191138	48.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	139386	48.339	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93159m	45.930	ug/l	
77) Bromobenzene	12.77	156	221907	49.201	ug/l	98
78) n-propylbenzene	12.83	91	1093240	51.052	ug/l	99
79) 2-Chlorotoluene	12.91	91	613440	52.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	769345	51.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	45663	47.085	ug/l	96
82) 4-Chlorotoluene	13.01	91	640125	51.133	ug/l	99
83) tert-Butylbenzene	13.23	119	658856	50.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	773283	51.494	ug/l	98
85) sec-Butylbenzene	13.41	105	924493	51.510	ug/l	99
86) p-Isopropyltoluene	13.53	119	866518	50.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432481	50.300	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	419797	49.701	ug/l	99
89) n-Butylbenzene	13.86	91	807259	52.234	ug/l	98
90) Hexachloroethane	14.12	117	165741	50.558	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	363092	49.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21380	45.738	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	254020	47.055	ug/l	99
94) Hexachlorobutadiene	15.28	225	161227	47.461	ug/l	97
95) Naphthalene	15.41	128	382334	44.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	215018	46.656	ug/l	99

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

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