

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066966.D
 Acq On : 30 Sep 2020 10:39
 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
 10/1/2020 2:41:45 PM

Quant Time: Oct 01 01:00:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	564045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274135	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	167050	40.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.78%	
35) Dibromofluoromethane	7.91	113	181695	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
50) Toluene-d8	10.34	98	646404	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.63	95	226816	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	136814	45.967	ug/l	91
3) Chloromethane	2.21	50	139859	36.026	ug/l	97
4) Vinyl Chloride	2.35	62	150952	39.358	ug/l	95
5) Bromomethane	2.77	94	116887	43.360	ug/l	96
6) Chloroethane	2.93	64	96686	40.595	ug/l	96
7) Trichlorofluoromethane	3.28	101	352988	44.814	ug/l	97
8) Diethyl Ether	3.71	74	88760	44.387	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	208939	45.746	ug/l	99
10) Methyl Iodide	4.30	142	183904	45.629	ug/l	95
11) Tert butyl alcohol	5.21	59	56591	220.960	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	190891	46.137	ug/l	98
13) Acrolein	3.92	56	71479	234.297	ug/l	94
14) Allyl chloride	4.71	41	271065	44.616	ug/l	96
15) Acrylonitrile	5.43	53	191754	216.383	ug/l	99
16) Acetone	4.16	43	156331	178.197	ug/l	98
17) Carbon Disulfide	4.41	76	528139	41.752	ug/l	99
18) Methyl Acetate	4.72	43	85831	43.367	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	415074	46.195	ug/l	99
20) Methylene Chloride	4.96	84	227942	47.898	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219622	45.843	ug/l	93
22) Diisopropyl ether	6.36	45	562432	45.023	ug/l	99
23) Vinyl Acetate	6.31	43	1458850	215.471	ug/l	100
24) 1,1-Dichloroethane	6.27	63	375906	44.981	ug/l	97
25) 2-Butanone	7.21	43	212602	201.658	ug/l	98
26) 2,2-Dichloropropane	7.21	77	348322	45.475	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	245450	47.154	ug/l	98
28) Bromochloromethane	7.54	49	163905	47.475	ug/l #	93
29) Tetrahydrofuran	7.56	42	145232	214.991	ug/l	95
30) Chloroform	7.71	83	401408	44.560	ug/l	96
31) Cyclohexane	7.98	56	321857	42.803	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	373586	45.844	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310675	49.653	ug/l	98
37) Ethyl Acetate	7.29	43	106281	46.987	ug/l #	95
38) Carbon Tetrachloride	8.10	117	344480	50.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	378434	52.678	ug/l	100
40) Benzene	8.35	78	855709	49.072	ug/l	98
41) Methacrylonitrile	7.54	41	71776m	51.600	ug/l	
42) 1,2-Dichloroethane	8.43	62	237405	46.052	ug/l	99
43) Isopropyl Acetate	8.45	43	199732	45.801	ug/l	100
44) Trichloroethene	9.11	130	253843	51.071	ug/l	91
45) 1,2-Dichloropropane	9.38	63	204989	46.722	ug/l	97
46) Dibromomethane	9.47	93	115104	48.286	ug/l	93
47) Bromodichloromethane	9.66	83	307835	48.072	ug/l	99
48) Methyl methacrylate	9.46	41	93428	43.453	ug/l	96
49) 1,4-Dioxane	9.46	88	26100	961.484	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	520936	235.751	ug/l	99
52) Toluene	10.40	92	578525	51.505	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	274966	50.449	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	334961	50.402	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	160805	49.070	ug/l	95
56) Ethyl methacrylate	10.66	69	181309	51.646	ug/l	95
57) 1,3-Dichloropropane	10.94	76	270059	49.908	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	376901	226.741	ug/l	95
59) 2-Hexanone	10.98	43	349157	234.309	ug/l	97
60) Dibromochloromethane	11.14	129	215266	50.332	ug/l	98
61) 1,2-Dibromoethane	11.24	107	153192	50.259	ug/l	99
64) Tetrachloroethene	10.87	164	210893	51.979	ug/l	98
65) Chlorobenzene	11.67	112	608783	51.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	232460	52.312	ug/l	99
67) Ethyl Benzene	11.74	91	1092314	52.971	ug/l	97
68) m/p-Xylenes	11.86	106	859955	110.148	ug/l	96
69) o-Xylene	12.18	106	380370	53.880	ug/l	100
70) Styrene	12.20	104	662325	54.024	ug/l	100
71) Bromoform	12.36	173	118321	52.589	ug/l #	97
73) Isopropylbenzene	12.48	105	1080013	54.537	ug/l	99
74) N-amyl acetate	12.29	43	181609	46.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	163250	47.773	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	103833m	45.705	ug/l	
77) Bromobenzene	12.76	156	241326	52.104	ug/l	94
78) n-propylbenzene	12.82	91	1266312	53.152	ug/l	98
79) 2-Chlorotoluene	12.91	91	698945	51.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	895477	53.291	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	51056	56.227	ug/l	94
82) 4-Chlorotoluene	13.01	91	728801	50.924	ug/l	98
83) tert-Butylbenzene	13.23	119	752216	54.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	888995	53.353	ug/l	98
85) sec-Butylbenzene	13.41	105	1084390	54.613	ug/l	99
86) p-Isopropyltoluene	13.52	119	988314	55.220	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	469064	51.262	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464937	51.158	ug/l	99
89) n-Butylbenzene	13.85	91	920104	54.087	ug/l	99
90) Hexachloroethane	14.11	117	187225	51.526	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	404259	51.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25265	45.961	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275476	55.898	ug/l	96
94) Hexachlorobutadiene	15.28	225	167463	56.706	ug/l	98
95) Naphthalene	15.41	128	451543	53.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	226514	53.253	ug/l	96

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

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