

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067589.D
 Acq On : 10 Nov 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
 11/11/2020 1:04:20 PM

Quant Time: Nov 11 01:03:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	285807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	406026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	382976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	116631	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.92	113	118654	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.34	98	403963	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.64	95	149956	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	106112	45.452	ug/l	95
3) Chloromethane	2.21	50	68893	38.709	ug/l	99
4) Vinyl Chloride	2.35	62	80877	40.759	ug/l	100
5) Bromomethane	2.77	94	69864	43.439	ug/l	98
6) Chloroethane	2.93	64	54318	44.401	ug/l	97
7) Trichlorofluoromethane	3.27	101	239297	46.576	ug/l	95
8) Diethyl Ether	3.71	74	52761	50.964	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	120406	46.427	ug/l	99
10) Methyl Iodide	4.30	142	133932	48.184	ug/l	99
11) Tert butyl alcohol	5.21	59	37940	361.284	ug/l	97
12) 1,1-Dichloroethene	4.07	96	111908	46.912	ug/l	90
13) Acrolein	3.92	56	33172	293.493	ug/l	99
14) Allyl chloride	4.71	41	115760	45.341	ug/l	96
15) Acrylonitrile	5.41	53	97561	254.935	ug/l	99
16) Acetone	4.16	43	89653	239.732	ug/l	96
17) Carbon Disulfide	4.41	76	318352	43.551	ug/l	100
18) Methyl Acetate	4.71	43	42417	54.888	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	254520	54.091	ug/l #	91
20) Methylene Chloride	4.97	84	129298	48.945	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	127401	45.853	ug/l	99
22) Diisopropyl ether	6.37	45	241323	48.505	ug/l	96
23) Vinyl Acetate	6.31	43	656558	252.107	ug/l	95
24) 1,1-Dichloroethane	6.27	63	190829	46.885	ug/l	98
25) 2-Butanone	7.21	43	103391	258.737	ug/l	99
26) 2,2-Dichloropropane	7.21	77	199194	46.371	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	139119	48.239	ug/l	97
28) Bromochloromethane	7.54	49	71189	49.171	ug/l	94
29) Tetrahydrofuran	7.56	42	62035	259.169	ug/l	96
30) Chloroform	7.71	83	236774	48.762	ug/l	95
31) Cyclohexane	7.99	56	157824	43.543	ug/l #	83
32) 1,1,1-Trichloroethane	7.91	97	239014	47.707	ug/l	99
36) 1,1-Dichloropropene	8.11	75	170549	49.072	ug/l	100
37) Ethyl Acetate	7.29	43	45308	50.213	ug/l	96
38) Carbon Tetrachloride	8.10	117	236996	52.483	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	208081	50.868	ug/l	99
40) Benzene	8.36	78	463945	49.281	ug/l	95
41) Methacrylonitrile	7.53	41	27060m	50.171	ug/l	
42) 1,2-Dichloroethane	8.43	62	154534	53.128	ug/l	99
43) Isopropyl Acetate	8.46	43	94680	53.057	ug/l	99
44) Trichloroethene	9.11	130	156600	50.589	ug/l	95
45) 1,2-Dichloropropane	9.39	63	105379	51.772	ug/l	94
46) Dibromomethane	9.48	93	69983	54.075	ug/l	100
47) Bromodichloromethane	9.67	83	194290	55.233	ug/l	97
48) Methyl methacrylate	9.46	41	47817	51.898	ug/l	91
49) 1,4-Dioxane	9.46	88	14380	1094.512	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	243192	284.956	ug/l	100
52) Toluene	10.41	92	324860	51.518	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	161891	53.736	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	184694	51.599	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	92492	54.014	ug/l	96
56) Ethyl methacrylate	10.67	69	100493	56.830	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147302	53.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	237727	288.287	ug/l	97
59) 2-Hexanone	10.99	43	168916	283.072	ug/l	99
60) Dibromochloromethane	11.14	129	140155	55.330	ug/l	98
61) 1,2-Dibromoethane	11.25	107	90849	52.862	ug/l	98
64) Tetrachloroethene	10.88	164	137967	48.643	ug/l	96
65) Chlorobenzene	11.67	112	371267	50.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	148215	50.975	ug/l	99
67) Ethyl Benzene	11.75	91	646628	51.223	ug/l	99
68) m/p-Xylenes	11.86	106	505125	102.851	ug/l	97
69) o-Xylene	12.18	106	225419	51.409	ug/l	99
70) Styrene	12.20	104	392145	51.323	ug/l	99
71) Bromoform	12.37	173	80037	53.974	ug/l #	98
73) Isopropylbenzene	12.48	105	629510	48.042	ug/l	100
74) N-amyl acetate	12.29	43	85393	49.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	88752	49.671	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	69968m	57.205	ug/l	
77) Bromobenzene	12.77	156	160260	49.800	ug/l	97
78) n-propylbenzene	12.83	91	735525	49.074	ug/l	100
79) 2-Chlorotoluene	12.91	91	423549	49.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	568702	50.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28983	48.109	ug/l	96
82) 4-Chlorotoluene	13.01	91	458407	50.202	ug/l	99
83) tert-Butylbenzene	13.23	119	489377	51.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	563394	50.564	ug/l	98
85) sec-Butylbenzene	13.40	105	634142	49.517	ug/l	98
86) p-Isopropyltoluene	13.52	119	609306	49.269	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	295108	48.059	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	296033	47.612	ug/l	98
89) n-Butylbenzene	13.85	91	523835	49.039	ug/l	99
90) Hexachloroethane	14.11	117	117306	50.370	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	266114	50.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17651	55.794	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192437	53.351	ug/l	98
94) Hexachlorobutadiene	15.27	225	116018	48.060	ug/l	99
95) Naphthalene	15.40	128	321378	57.735	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	165687	53.642	ug/l	99

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

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