

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066294.D
 Acq On : 18 Aug 2020 23:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:32 PM

Quant Time: Aug 19 08:15:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	226447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	339024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	163699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	122811	60.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	121.58%	
35) Dibromofluoromethane	7.91	113	117428	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
50) Toluene-d8	10.33	98	430018	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
62) 4-Bromofluorobenzene	12.63	95	156435	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81319	40.760	ug/l	98
3) Chloromethane	2.20	50	66440	42.811	ug/l	99
4) Vinyl Chloride	2.34	62	65840	47.919	ug/l	99
5) Bromomethane	2.76	94	46910	51.460	ug/l	97
6) Chloroethane	2.92	64	44148	52.345	ug/l #	82
7) Trichlorofluoromethane	3.27	101	180821	50.479	ug/l	99
8) Diethyl Ether	3.71	74	51589	51.041	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	106197	49.955	ug/l	99
10) Methyl Iodide	4.29	142	111454	56.568	ug/l	97
11) Tert butyl alcohol	5.21	59	43967	298.879	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	97817	48.776	ug/l	96
13) Acrolein	3.92	56	32831	204.163	ug/l	99
14) Allyl chloride	4.71	41	148744	48.958	ug/l	94
15) Acrylonitrile	5.42	53	121479	285.218	ug/l	100
16) Acetone	4.16	43	97929	255.471	ug/l	93
17) Carbon Disulfide	4.40	76	275161	43.153	ug/l	99
18) Methyl Acetate	4.71	43	53196	54.635	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	265165	57.687	ug/l	98
20) Methylene Chloride	4.96	84	132496	61.235	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	116537	50.585	ug/l	90
22) Diisopropyl ether	6.36	45	316020	52.599	ug/l	96
23) Vinyl Acetate	6.30	43	954142	271.081	ug/l	99
24) 1,1-Dichloroethane	6.26	63	196442	52.833	ug/l	97
25) 2-Butanone	7.20	43	147919	262.359	ug/l	97
26) 2,2-Dichloropropane	7.20	77	167911	50.386	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	134060	55.479	ug/l	97
28) Bromochloromethane	7.54	49	72543	55.549	ug/l	94
29) Tetrahydrofuran	7.56	42	94448	270.382	ug/l	96
30) Chloroform	7.70	83	217116	55.611	ug/l	94
31) Cyclohexane	7.98	56	151204	42.721	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	203114	55.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	153127	48.066	ug/l	99
37) Ethyl Acetate	7.29	43	67189	53.229	ug/l	98
38) Carbon Tetrachloride	8.09	117	186972	52.629	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	180064	46.756	ug/l	97
40) Benzene	8.34	78	447887	50.679	ug/l	95
41) Methacrylonitrile	7.53	41	40677m	54.808	ug/l	
42) 1,2-Dichloroethane	8.42	62	152129	58.595	ug/l	98
43) Isopropyl Acetate	8.44	43	135175	54.352	ug/l	99
44) Trichloroethene	9.11	130	135154	50.751	ug/l	98
45) 1,2-Dichloropropane	9.38	63	111761	51.706	ug/l	93
46) Dibromomethane	9.47	93	65497	55.012	ug/l	97
47) Bromodichloromethane	9.66	83	175292	55.707	ug/l	99
48) Methyl methacrylate	9.45	41	64168	50.529	ug/l #	82
49) 1,4-Dioxane	9.46	88	17178	1123.036	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	357220	279.629	ug/l	99
52) Toluene	10.40	92	301046	51.768	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	161851	54.199	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	187935	53.714	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	92104	53.724	ug/l	95
56) Ethyl methacrylate	10.66	69	115010	55.844	ug/l	97
57) 1,3-Dichloropropane	10.94	76	154098	54.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	266821	288.026	ug/l	99
59) 2-Hexanone	10.98	43	247757	276.343	ug/l	96
60) Dibromochloromethane	11.14	129	134317	56.749	ug/l	99
61) 1,2-Dibromoethane	11.24	107	92478	56.090	ug/l	99
64) Tetrachloroethene	10.87	164	123395	51.434	ug/l	95
65) Chlorobenzene	11.67	112	333960	52.656	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	136967	55.193	ug/l	98
67) Ethyl Benzene	11.74	91	582104	52.963	ug/l	97
68) m/p-Xylenes	11.86	106	440401	103.423	ug/l	95
69) o-Xylene	12.18	106	209669	54.128	ug/l	98
70) Styrene	12.19	104	373243	54.981	ug/l	98
71) Bromoform	12.36	173	83677	56.912	ug/l #	97
73) Isopropylbenzene	12.48	105	577600	52.859	ug/l	100
74) N-amyl acetate	12.29	43	130105	54.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	101125	54.272	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	77225m	56.570	ug/l	
77) Bromobenzene	12.76	156	150993	53.679	ug/l	99
78) n-propylbenzene	12.82	91	658267	51.823	ug/l	99
79) 2-Chlorotoluene	12.91	91	380137	52.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	492122	53.851	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	32949	53.354	ug/l	95
82) 4-Chlorotoluene	13.00	91	405994	52.939	ug/l	100
83) tert-Butylbenzene	13.23	119	420894	52.371	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	485771	53.115	ug/l	99
85) sec-Butylbenzene	13.40	105	570132	52.543	ug/l	100
86) p-Isopropyltoluene	13.52	119	529416	52.021	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	271514	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	267351	50.708	ug/l	99
89) n-Butylbenzene	13.84	91	465797	51.084	ug/l	100
90) Hexachloroethane	14.11	117	108132	53.274	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	247423	52.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17884	55.845	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175944	51.064	ug/l	99
94) Hexachlorobutadiene	15.27	225	106085	52.286	ug/l	97
95) Naphthalene	15.41	128	323341	57.594	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161447	53.079	ug/l	98

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

