

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066329.D
 Acq On : 19 Aug 2020 20:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:56 PM

Quant Time: Aug 20 07:52:52 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	227114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	336701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115366	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.91	113	112617	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.34	98	404549	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.63	95	145600	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77170	38.567	ug/l	98
3) Chloromethane	2.21	50	65560	42.119	ug/l	96
4) Vinyl Chloride	2.35	62	67142	48.723	ug/l	98
5) Bromomethane	2.76	94	48282	52.810	ug/l	99
6) Chloroethane	2.92	64	43240	51.118	ug/l #	88
7) Trichlorofluoromethane	3.27	101	177826	49.497	ug/l	96
8) Diethyl Ether	3.71	74	49151	48.486	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99872	46.842	ug/l	98
10) Methyl Iodide	4.30	142	105320	53.686	ug/l	98
11) Tert butyl alcohol	5.21	59	36942	243.119	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	94190	46.829	ug/l	94
13) Acrolein	3.92	56	31584	195.832	ug/l	98
14) Allyl chloride	4.71	41	143453	47.078	ug/l	93
15) Acrylonitrile	5.42	53	107901	252.594	ug/l	99
16) Acetone	4.16	43	87793	228.356	ug/l	94
17) Carbon Disulfide	4.40	76	253509	39.641	ug/l	96
18) Methyl Acetate	4.71	43	49952	51.152	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	247190	53.619	ug/l	100
20) Methylene Chloride	4.96	84	126350	57.970	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106736	46.195	ug/l	99
22) Diisopropyl ether	6.36	45	292064	48.469	ug/l	91
23) Vinyl Acetate	6.30	43	875769	248.084	ug/l	100
24) 1,1-Dichloroethane	6.26	63	187415	50.257	ug/l	97
25) 2-Butanone	7.21	43	127661	225.763	ug/l	97
26) 2,2-Dichloropropane	7.20	77	174471	52.201	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	125463	51.769	ug/l	99
28) Bromochloromethane	7.54	49	67137	51.259	ug/l	100
29) Tetrahydrofuran	7.56	42	83543	238.461	ug/l	97
30) Chloroform	7.71	83	211235	53.946	ug/l	99
31) Cyclohexane	7.98	56	145677	41.038	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	200783	54.688	ug/l	100
36) 1,1-Dichloropropene	8.10	75	152920	48.332	ug/l	98
37) Ethyl Acetate	7.28	43	58645	46.781	ug/l	98
38) Carbon Tetrachloride	8.09	117	183238	51.934	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	172564	45.118	ug/l	99
40) Benzene	8.34	78	427924	48.755	ug/l	95
41) Methacrylonitrile	7.53	41	40623m	55.113	ug/l	
42) 1,2-Dichloroethane	8.42	62	139441	54.079	ug/l	97
43) Isopropyl Acetate	8.45	43	124542	50.422	ug/l	98
44) Trichloroethene	9.11	130	133893	50.624	ug/l	98
45) 1,2-Dichloropropane	9.38	63	103945	48.422	ug/l	94
46) Dibromomethane	9.47	93	61694	52.176	ug/l	99
47) Bromodichloromethane	9.66	83	166964	53.426	ug/l	99
48) Methyl methacrylate	9.45	41	57723	45.768	ug/l #	78
49) 1,4-Dioxane	9.46	88	13841	911.118	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	310509	244.741	ug/l	99
52) Toluene	10.40	92	281568	48.752	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	155798	52.532	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	176819	50.886	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86564	50.841	ug/l	97
56) Ethyl methacrylate	10.66	69	106297	51.970	ug/l	99
57) 1,3-Dichloropropane	10.94	76	143293	50.694	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	253235	275.246	ug/l	98
59) 2-Hexanone	10.98	43	212555	238.715	ug/l	100
60) Dibromochloromethane	11.14	129	122658	52.181	ug/l	100
61) 1,2-Dibromoethane	11.24	107	85573	52.260	ug/l	98
64) Tetrachloroethene	10.87	164	115179	47.187	ug/l	96
65) Chlorobenzene	11.67	112	321091	49.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	131777	52.193	ug/l	98
67) Ethyl Benzene	11.74	91	563711	50.412	ug/l	100
68) m/p-Xylenes	11.86	106	418427	96.580	ug/l	92
69) o-Xylene	12.18	106	201505	51.129	ug/l	99
70) Styrene	12.20	104	354924	51.387	ug/l	98
71) Bromoform	12.36	173	79042	52.839	ug/l #	96
73) Isopropylbenzene	12.48	105	562458	52.968	ug/l	100
74) N-amyl acetate	12.28	43	116442	49.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	91058	50.289	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	59321m	44.717	ug/l	
77) Bromobenzene	12.76	156	141595	51.800	ug/l	98
78) n-propylbenzene	12.82	91	643775	52.154	ug/l	99
79) 2-Chlorotoluene	12.91	91	374734	53.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	470372	52.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30200	50.323	ug/l	90
82) 4-Chlorotoluene	13.01	91	384276	51.563	ug/l	100
83) tert-Butylbenzene	13.23	119	410994	52.624	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	469229	52.797	ug/l	98
85) sec-Butylbenzene	13.40	105	549308	52.095	ug/l	99
86) p-Isopropyltoluene	13.52	119	516579	52.234	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	261835	50.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261113	50.963	ug/l	100
89) n-Butylbenzene	13.85	91	463943	52.359	ug/l	99
90) Hexachloroethane	14.11	117	103791	52.621	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	232044	51.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17014	54.672	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	176512	52.717	ug/l	98
94) Hexachlorobutadiene	15.27	225	104973	53.241	ug/l	98
95) Naphthalene	15.41	128	305443	55.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	152977	51.756	ug/l	97

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

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