

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066099.D
 Acq On : 29 Jul 2020 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:19:45 PM

Quant Time: Jul 30 02:31:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101591	59.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.70%	
35) Dibromofluoromethane	7.91	113	98980	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.34	98	375498	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.64	95	138518	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	62964	39.775	ug/l	98
3) Chloromethane	2.21	50	55346	42.842	ug/l	97
4) Vinyl Chloride	2.35	62	55200	44.870	ug/l	97
5) Bromomethane	2.77	94	45213	52.510	ug/l	94
6) Chloroethane	2.92	64	37645	51.261	ug/l	94
7) Trichlorofluoromethane	3.27	101	148622	49.668	ug/l	96
8) Diethyl Ether	3.71	74	41379	50.029	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84020	46.502	ug/l	97
10) Methyl Iodide	4.30	142	95510	51.919	ug/l	92
11) Tert butyl alcohol	5.21	59	29666	281.203	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	81816	47.439	ug/l	96
13) Acrolein	3.92	56	28247	197.530	ug/l	94
14) Allyl chloride	4.71	41	121158	44.941	ug/l #	85
15) Acrylonitrile	5.43	53	89962	254.593	ug/l	98
16) Acetone	4.16	43	73060	212.657	ug/l	94
17) Carbon Disulfide	4.41	76	237529	42.459	ug/l	98
18) Methyl Acetate	4.71	43	38758	48.495	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	207628	58.594	ug/l	97
20) Methylene Chloride	4.96	84	100324	52.989	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	99724	51.161	ug/l	97
22) Diisopropyl ether	6.36	45	265191	51.776	ug/l	95
23) Vinyl Acetate	6.30	43	764125	264.535	ug/l	96
24) 1,1-Dichloroethane	6.26	63	164401	52.975	ug/l	99
25) 2-Butanone	7.21	43	107653	236.147	ug/l	99
26) 2,2-Dichloropropane	7.21	77	138826	49.745	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111034	53.801	ug/l	99
28) Bromochloromethane	7.55	49	69585	52.829	ug/l	88
29) Tetrahydrofuran	7.56	42	69604	247.459	ug/l	94
30) Chloroform	7.71	83	187079	57.629	ug/l	98
31) Cyclohexane	7.98	56	126930	41.574	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	167654	55.833	ug/l	100
36) 1,1-Dichloropropene	8.11	75	131564	48.884	ug/l	98
37) Ethyl Acetate	7.29	43	53248	51.806	ug/l	95
38) Carbon Tetrachloride	8.10	117	161233	55.213	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147424	45.233	ug/l	97
40) Benzene	8.35	78	383362	50.915	ug/l	98
41) Methacrylonitrile	7.53	41	27359	46.466	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	119520	57.928	ug/l	96
43) Isopropyl Acetate	8.45	43	102247	50.933	ug/l	98
44) Trichloroethene	9.11	130	116060	50.937	ug/l	94
45) 1,2-Dichloropropane	9.39	63	89966	49.335	ug/l	99
46) Dibromomethane	9.47	93	53680	54.682	ug/l	98
47) Bromodichloromethane	9.66	83	144296	55.591	ug/l	94
48) Methyl methacrylate	9.46	41	50836	50.202	ug/l #	88
49) 1,4-Dioxane	9.47	88	11828	1039.977	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	260920	257.958	ug/l	96
52) Toluene	10.41	92	266810	54.337	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	133724	55.298	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	156202	53.287	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	77777	55.863	ug/l	94
56) Ethyl methacrylate	10.67	69	91526	56.542	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	126253	54.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	192155	248.495	ug/l	99
59) 2-Hexanone	10.98	43	180624	257.687	ug/l	96
60) Dibromochloromethane	11.14	129	107350	57.186	ug/l	95
61) 1,2-Dibromoethane	11.25	107	76068	56.665	ug/l	98
64) Tetrachloroethene	10.88	164	106247	52.125	ug/l	97
65) Chlorobenzene	11.67	112	297795	54.160	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	118421	58.328	ug/l	99
67) Ethyl Benzene	11.75	91	513339	54.250	ug/l	97
68) m/p-Xylenes	11.85	106	397852	109.391	ug/l	100
69) o-Xylene	12.18	106	185569	56.098	ug/l	97
70) Styrene	12.20	104	328655	57.825	ug/l	98
71) Bromoform	12.37	173	70404	59.201	ug/l #	98
73) Isopropylbenzene	12.48	105	507280	49.291	ug/l	100
74) N-amyl acetate	12.29	43	102550	48.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79345	46.651	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	61256m	47.834	ug/l	
77) Bromobenzene	12.77	156	133157	50.628	ug/l	96
78) n-propylbenzene	12.83	91	594554	49.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	342015	50.129	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	441008	52.158	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25640	45.943	ug/l	98
82) 4-Chlorotoluene	13.01	91	367000	50.962	ug/l	100
83) tert-Butylbenzene	13.23	119	378939	51.216	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	441457	52.921	ug/l	97
85) sec-Butylbenzene	13.41	105	501271	49.187	ug/l	98
86) p-Isopropyltoluene	13.53	119	487358	52.638	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	249117	51.016	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	251558	50.959	ug/l	99
89) n-Butylbenzene	13.85	91	425173	49.387	ug/l	97
90) Hexachloroethane	14.12	117	96298	50.243	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	223541	52.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14299	51.298	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	161226	53.082	ug/l	99
94) Hexachlorobutadiene	15.28	225	93923	50.019	ug/l	97
95) Naphthalene	15.41	128	267865	49.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	139838	52.960	ug/l	99

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

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