

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064860.D
 Acq On : 17 Jan 2020 13:51
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 4.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:20 AM

Quant Time: Jan 17 23:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	369508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	535588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165743	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.92	113	163371	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.34	98	595446	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.64	95	188500	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114094	39.732	ug/l	96
3) Chloromethane	2.21	50	172953	43.065	ug/l	99
4) Vinyl Chloride	2.35	62	205311	41.928	ug/l	98
5) Bromomethane	2.77	94	143927	40.424	ug/l	91
6) Chloroethane	2.93	64	137911	42.032	ug/l	98
7) Trichlorofluoromethane	3.27	101	342191	41.503	ug/l	100
8) Diethyl Ether	3.71	74	78024	47.655	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	163090	47.762	ug/l	97
10) Methyl Iodide	4.30	142	177509	48.396	ug/l	98
11) Tert butyl alcohol	5.25	59	53894	288.615	ug/l	95
12) 1,1-Dichloroethene	4.06	96	149019	45.840	ug/l	98
14) Allvl chloride	4.71	41	255677	50.444	ug/l	99
15) Acrylonitrile	5.43	53	176424	258.693	ug/l	99
16) Acetone	4.17	43	220747	334.242	ug/l	92
17) Carbon Disulfide	4.40	76	426134	40.539	ug/l	98
18) Methyl Acetate	4.73	43	109554	59.723	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	378823	52.464	ug/l	94
20) Methylene Chloride	4.97	84	172535	51.968	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	177092	47.834	ug/l	97
22) Diisopropyl ether	6.37	45	536278	53.046	ug/l	96
23) Vinyl Acetate	6.31	43	1402861	244.623	ug/l	100
24) 1,1-Dichloroethane	6.27	63	309451	50.988	ug/l	96
25) 2-Butanone	7.22	43	244501	272.996	ug/l	99
26) 2,2-Dichloropropane	7.21	77	288974	51.211	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	198773	49.748	ug/l	98
28) Bromochloromethane	7.56	49	123359	52.287	ug/l	97
29) Tetrahydrofuran	7.57	42	140434	252.141	ug/l	99
30) Chloroform	7.72	83	329818	51.797	ug/l	99
31) Cyclohexane	7.98	56	264388	43.519	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	303242	50.703	ug/l	99
36) 1,1-Dichloropropene	8.11	75	245810	47.684	ug/l	99
37) Ethyl Acetate	7.30	43	102900	50.811	ug/l	99
38) Carbon Tetrachloride	8.10	117	270683	49.244	ug/l	99
39) Methylcyclohexane	9.36	83	279395	44.749	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	701076	49.818	ug/l	98
41) Methacrylonitrile	7.53	41	56304	47.918	ug/l	91
42) 1,2-Dichloroethane	8.43	62	210578	51.782	ug/l	99
43) Isopropyl Acetate	8.46	43	199857	49.581	ug/l	99
44) Trichloroethene	9.11	130	201066	48.636	ug/l	95
45) 1,2-Dichloropropane	9.39	63	176174	52.432	ug/l	98
46) Dibromomethane	9.48	93	92848	49.563	ug/l	97
47) Bromodichloromethane	9.67	83	254291	51.013	ug/l	99
48) Methyl methacrylate	9.46	41	95677	50.410	ug/l	94
49) 1,4-Dioxane	9.47	88	21084	976.076	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	522548	262.272	ug/l	100
52) Toluene	10.41	92	469937	50.899	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	239414	51.515	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	282112	51.480	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	126566	50.133	ug/l	97
56) Ethyl methacrylate	10.67	69	159359	50.543	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221977	51.065	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	296620	246.927	ug/l	98
59) 2-Hexanone	10.99	43	384618	284.423	ug/l	99
60) Dibromochloromethane	11.14	129	176279	50.492	ug/l	100
61) 1,2-Dibromoethane	11.25	107	124031	49.810	ug/l	99
64) Tetrachloroethene	10.88	164	168547	45.954	ug/l	98
65) Chlorobenzene	11.68	112	482575	48.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	193415	51.706	ug/l	97
67) Ethyl Benzene	11.75	91	878493	48.778	ug/l	99
68) m/p-Xylenes	11.86	106	674682	97.056	ug/l	98
69) o-Xylene	12.18	106	303968	48.411	ug/l	97
70) Stvrene	12.20	104	546259	49.564	ug/l	99
71) Bromoform	12.37	173	104228	48.860	ug/l #	98
73) Isopropylbenzene	12.48	105	837416	49.209	ug/l	100
74) N-amyl acetate	12.30	43	179143	49.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134904	50.463	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	91695m	48.762	ug/l	
77) Bromobenzene	12.77	156	205924	49.247	ug/l	100
78) n-propylbenzene	12.83	91	983431	49.535	ug/l	100
79) 2-Chlorotoluene	12.91	91	541461	49.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	686737	49.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	46814	52.067	ug/l	97
82) 4-Chlorotoluene	13.01	91	580423	50.009	ug/l	99
83) tert-Butylbenzene	13.23	119	587547	48.408	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	696739	50.045	ug/l	98
85) sec-Butylbenzene	13.41	105	819611	49.256	ug/l	99
86) p-Isopropyltoluene	13.53	119	783474	49.242	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	396642	49.759	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	383711	49.000	ug/l	99
89) n-Butylbenzene	13.86	91	708189	49.426	ug/l	99
90) Hexachloroethane	14.12	117	150091	49.384	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	335658	49.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21618	49.883	ug/l	93
93) 1,2,4-Trichlorobenzene	15.17	180	236937	47.341	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.28	225	144010	45.726	ug/l	98
95) Naphthalene	15.41	128	391767	49.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	207189	48.492	ug/l	99

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

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