

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064859.D
 Acq On : 17 Jan 2020 13:23
 Operator : VA/SY
 Sample : L1176-04MS
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Manual Integrations
 APPROVED

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

Quant Time: Jan 17 23:33:08 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	351854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	348868	112.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.88%	
35) Dibromofluoromethane	7.92	113	341999	106.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.12%	
50) Toluene-d8	10.34	98	1306721	106.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.62%	
62) 4-Bromofluorobenzene	12.64	95	411289	105.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85692	31.338	ug/l	96
3) Chloromethane	2.21	50	135072	35.320	ug/l	99
4) Vinyl Chloride	2.35	62	157082	33.688	ug/l	99
5) Bromomethane	2.77	94	118688	35.008	ug/l	96
6) Chloroethane	2.93	64	112695	36.070	ug/l	98
7) Trichlorofluoromethane	3.27	101	255104	32.493	ug/l	99
8) Diethyl Ether	3.71	74	68233	43.765	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	114667	35.266	ug/l	97
10) Methyl Iodide	4.30	142	136180	38.991	ug/l	99
11) Tert butyl alcohol	5.18	59	55017	309.412	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	112255	36.263	ug/l	98
13) Acrolein	3.93	56	40340	162.788	ug/l	99
14) Allyl chloride	4.71	41	198493	41.127	ug/l	100
15) Acrylonitrile	5.43	53	156426	240.878	ug/l	98
16) Acetone	4.17	43	212433	338.473	ug/l	92
17) Carbon Disulfide	4.40	76	330126	32.982	ug/l	99
18) Methyl Acetate	4.73	43	93323	53.427	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	325530	47.345	ug/l	95
20) Methylene Chloride	4.96	84	151713	47.575	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	140053	39.727	ug/l	98
22) Diisopropyl ether	6.37	45	446946	46.428	ug/l	99
23) Vinyl Acetate	6.31	43	1203657	220.418	ug/l	99
24) 1,1-Dichloroethane	6.27	63	252954	43.770	ug/l	99
25) 2-Butanone	7.22	43	227185	266.389	ug/l	94
26) 2,2-Dichloropropane	7.21	77	241537	44.952	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	160803	42.264	ug/l	94
28) Bromochloromethane	7.55	49	121146	53.926	ug/l	100
29) Tetrahydrofuran	7.57	42	126842	239.164	ug/l	97
30) Chloroform	7.71	83	267864	44.178	ug/l	97
31) Cyclohexane	7.98	56	190726	32.969	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	231928	40.724	ug/l	99
36) 1,1-Dichloropropene	8.11	75	179517	35.655	ug/l	98
37) Ethyl Acetate	7.30	43	90475	45.742	ug/l	98
38) Carbon Tetrachloride	8.10	117	205327	38.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183629	30.112	ug/l	98
40) Benzene	8.36	78	559944	40.739	ug/l	97
41) Methacrylonitrile	7.53	41	51730	45.076	ug/l	89
42) 1,2-Dichloroethane	8.43	62	183492	46.198	ug/l	100
43) Isopropyl Acetate	8.46	43	180204	45.772	ug/l	99
44) Trichloroethene	9.11	130	148823	36.858	ug/l	94
45) 1,2-Dichloropropane	9.39	63	143960	43.867	ug/l	99
46) Dibromomethane	9.48	93	81408	44.493	ug/l	99
47) Bromodichloromethane	9.67	83	215151	44.191	ug/l	99
48) Methyl methacrylate	9.46	41	83486	45.036	ug/l	92
49) 1,4-Dioxane	9.47	88	27804	1317.888	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	451455	231.996	ug/l	99
52) Toluene	10.41	92	363050	40.260	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	205683	45.313	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	235303	43.963	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	110131	44.663	ug/l	93
56) Ethyl methacrylate	10.66	69	138346	44.925	ug/l	97
57) 1,3-Dichloropropane	10.95	76	191658	45.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277643	236.644	ug/l	99
59) 2-Hexanone	10.99	43	328643	248.828	ug/l	99
60) Dibromochloromethane	11.14	129	149331	43.794	ug/l	98
61) 1,2-Dibromoethane	11.25	107	104777	43.082	ug/l	99
64) Tetrachloroethene	10.88	164	118138	33.201	ug/l	95
65) Chlorobenzene	11.67	112	381551	39.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	152918	42.138	ug/l	99
67) Ethyl Benzene	11.75	91	650925	37.254	ug/l	98
68) m/p-Xylenes	11.86	106	493807	73.222	ug/l	96
69) o-Xylene	12.18	106	230415	37.826	ug/l	98
70) Styrene	12.20	104	425288	39.775	ug/l	99
71) Bromoform	12.37	173	91526	44.226	ug/l #	96
73) Isopropylbenzene	12.48	105	587062	36.135	ug/l	100
74) N-amyl acetate	12.30	43	153732	44.266	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	118185	46.308	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	74770m	41.649	ug/l	
77) Bromobenzene	12.77	156	160548	40.217	ug/l	96
78) n-propylbenzene	12.83	91	667538	35.220	ug/l	99
79) 2-Chlorotoluene	12.91	91	393592	37.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	475342	35.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39748	46.306	ug/l	98
82) 4-Chlorotoluene	13.01	91	419251	37.837	ug/l	99
83) tert-Butylbenzene	13.23	119	401560	34.655	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	491227	36.958	ug/l	97
85) sec-Butylbenzene	13.41	105	529927	33.359	ug/l	100
86) p-Isopropyltoluene	13.53	119	512291	33.726	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	285048	37.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279434	37.378	ug/l	99
89) n-Butylbenzene	13.85	91	445352	32.558	ug/l	99
90) Hexachloroethane	14.12	117	101535	34.993	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	250169	38.552	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18410	44.497	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162521	34.014	ug/l	99
94) Hexachlorobutadiene	15.28	225	95943	31.910	ug/l	99
95) Naphthalene	15.41	128	295253	39.060	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	141303	34.641	ug/l	99

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

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