

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
 Data File : VD062196.D
 Acq On : 9 May 2019 19:01
 Operator : FY/SY
 Sample : K2717-11MSD
 Misc : 4.98g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:54:03 AM

Quant Time: May 10 05:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	469178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	641751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	467720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	171913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	262444	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
35) Dibromofluoromethane	6.90	113	331131	62.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.38%	
50) Toluene-d8	10.40	98	681270	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	13.55	95	228168	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	233741	52.090	ug/l	97
3) Chloromethane	1.75	50	164260	50.660	ug/l	91
4) Vinyl Chloride	1.84	62	176804	55.484	ug/l	96
5) Bromomethane	2.15	94	91086	121.990	ug/l	99
6) Chloroethane	2.27	64	92488	69.169	ug/l	97
7) Trichlorofluoromethane	2.52	101	361875	58.412	ug/l	97
8) Diethyl Ether	2.86	74	65524	54.841	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	231642	49.428	ug/l	99
10) Methyl Iodide	3.30	142	344651	48.659	ug/l	91
11) Tert butyl alcohol	4.03	59	50308	226.041	ug/l	96
12) 1,1-Dichloroethene	3.12	96	201224	56.249	ug/l	98
13) Acrolein	3.02	56	18257	79.311	ug/l	99
14) Allyl chloride	3.61	41	277120	53.277	ug/l	87
15) Acrylonitrile	4.18	53	142353	243.342	ug/l	92
16) Acetone	3.20	43	171618	187.691	ug/l #	88
17) Carbon Disulfide	3.37	76	529567	51.459	ug/l	99
18) Methyl Acetate	3.62	43	306265	188.119	ug/l	92
19) Methyl tert-butyl Ether	4.22	73	414071	54.000	ug/l	96
20) Methylene Chloride	3.80	84	217438	56.954	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	222123	55.798	ug/l	95
22) Diisopropyl ether	5.09	45	619082	55.930	ug/l #	87
23) Vinyl Acetate	5.09	43	342299	58.613	ug/l #	77
24) 1,1-Dichloroethane	4.96	63	371503	55.636	ug/l	98
25) 2-Butanone	6.05	43	208520	209.073	ug/l	98
26) 2,2-Dichloropropane	6.00	77	370303	55.673	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	238345	53.490	ug/l	90
28) Bromochloromethane	6.42	49	167260	63.667	ug/l	91
29) Tetrahydrofuran	6.43	42	100440	218.567	ug/l	99
30) Chloroform	6.65	83	457284	56.824	ug/l	96
31) Cyclohexane	6.94	56	204440	44.689	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	418224	54.984	ug/l	99
36) 1,1-Dichloropropene	7.13	75	262450	49.879	ug/l	95
37) Ethyl Acetate	6.16	43	60793	27.244	ug/l	98
38) Carbon Tetrachloride	7.09	117	408035m	56.028	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	162606	32.254	ug/l	96
40) Benzene	7.43	78	625999	52.686	ug/l	99
41) Methacrylonitrile	6.42	41	125417	45.992	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	287989	57.208	ug/l	94
43) Isopropyl Acetate	9.22	43	64685	20.440	ug/l	99
44) Trichloroethene	8.53	130	231103	51.044	ug/l	94
45) 1,2-Dichloropropane	8.92	63	154172	52.458	ug/l	95
46) Dibromomethane	9.05	93	129551	54.208	ug/l	89
47) Bromodichloromethane	9.35	83	333661	57.077	ug/l	99
48) Methyl methacrylate	9.10	41	114244	58.607	ug/l	93
49) 1,4-Dioxane	9.06	88	19764	939.705	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	467034	229.582	ug/l	95
52) Toluene	10.49	92	395206	51.122	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	253265	50.128	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	289032	52.439	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	137502	50.270	ug/l	98
56) Ethyl methacrylate	11.03	69	63216	22.241	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	207107	50.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	362727	233.624	ug/l	96
59) 2-Hexanone	11.52	43	301918	201.367	ug/l	97
60) Dibromochloromethane	11.67	129	241166	51.017	ug/l	99
61) 1,2-Dibromoethane	11.79	107	165214	49.681	ug/l	98
64) Tetrachloroethene	11.23	164	162755	44.500	ug/l	95
65) Chlorobenzene	12.38	112	396223	45.483	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	229792	60.610	ug/l	96
67) Ethyl Benzene	12.51	91	788297	54.051	ug/l	96
68) m/p-Xylenes	12.66	106	544665	102.649	ug/l	98
69) o-Xylene	13.03	106	266580	54.040	ug/l	93
70) Styrene	13.06	104	403074	48.234	ug/l	99
71) Bromoform	13.22	173	134957	51.163	ug/l	98
73) Isopropylbenzene	13.39	105	681099	66.094	ug/l	96
74) N-amyl acetate	13.25	43	58102	21.505	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	139189	71.347	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	145707	71.318	ug/l	99
77) Bromobenzene	13.66	156	183591	63.642	ug/l	92
78) n-propylbenzene	13.76	91	675460	54.948	ug/l	96
79) 2-Chlorotoluene	13.83	91	384182	54.569	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	510787	58.862	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.47	75	35840	62.140	ug/l #	79
82) 4-Chlorotoluene	13.94	91	452986	54.678	ug/l	94
83) tert-Butylbenzene	14.19	119	591222	60.616	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	511000	58.682	ug/l	90
85) sec-Butylbenzene	14.36	105	440796	41.219	ug/l	98
86) p-Isopropyltoluene	14.48	119	411565	43.076	ug/l	93
87) 1,3-Dichlorobenzene	14.45	146	244952	46.483	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	245644	47.441	ug/l	97
89) n-Butylbenzene	14.79	91	268354	31.292	ug/l	94
90) Hexachloroethane	15.00	117	120151	46.242	ug/l	64
91) 1,2-Dichlorobenzene	14.80	146	209692	48.317	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22379	69.882	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	70466	22.307	ug/l	90
94) Hexachlorobutadiene	16.03	225	32137	13.678	ug/l	99
95) Naphthalene	16.11	128	133920	30.366	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	40538	20.411	ug/l	97

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

