

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062503.D
 Acq On : 12 May 2019 15:17
 Operator : FY/SY
 Sample : K2734-05MSD
 Misc : 3.95g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:26:26 PM

Quant Time: May 13 05:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	15813	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	24298	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	12081	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	4273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	31323	209.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	419.20%	
35) Dibromofluoromethane	4.33	113	31905	164.82	ug/l	0.03
Spiked Amount	50.000		Recovery	=	329.64%	
50) Toluene-d8	7.72	98	18167	38.77	ug/l	0.02
Spiked Amount	50.000		Recovery	=	77.54%	
62) 4-Bromofluorobenzene	11.51	95	4951	23.42	ug/l	0.02
Spiked Amount	50.000		Recovery	=	46.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	22144	120.999	ug/l	85
3) Chloromethane	1.15	50	14245	118.020	ug/l	95
4) Vinyl Chloride	1.20	62	10451	86.808	ug/l	93
5) Bromomethane	1.38	94	7882	88.709	ug/l #	66
6) Chloroethane	1.44	64	9580	158.274	ug/l	91
7) Trichlorofluoromethane	1.55	101	25453	101.897	ug/l	98
8) Diethyl Ether	1.72	74	11845	313.392	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	14633	102.608	ug/l	99
10) Methyl Iodide	1.97	142	7701	32.768	ug/l #	86
11) Tert butyl alcohol	2.70	59	14736	1744.753	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	8570	70.688	ug/l #	75
13) Acrolein	2.12	56	619	106.446	ug/l #	34
14) Allyl chloride	2.20	41	16089	150.231	ug/l	93
15) Acrylonitrile	3.09	53	9371	585.734	ug/l #	93
16) Acetone	2.35	43	33318	1102.132	ug/l	98
17) Carbon Disulfide	1.91	76	9780	36.996	ug/l	97
18) Methyl Acetate	2.47	43	17367	332.725	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	100022	399.667	ug/l	96
20) Methylene Chloride	2.30	84	26873	245.699	ug/l	88
21) trans-1,2-Dichloroethene	2.44	96	7539	65.268	ug/l	83
22) Diisopropyl ether	2.95	45	101023	301.817	ug/l	99
23) Vinyl Acetate	3.35	43	251	1.683	ug/l #	79
24) 1,1-Dichloroethane	3.02	63	36323	179.554	ug/l	99
25) 2-Butanone	4.54	43	3439	90.549	ug/l #	83
26) 2,2-Dichloropropane	3.79	77	9145	80.950	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	15096	104.552	ug/l	94
28) Bromochloromethane	3.93	49	21836	238.006	ug/l #	97
29) Tetrahydrofuran	4.28	42	26421	1513.649	ug/l	91
30) Chloroform	4.07	83	43302	158.440	ug/l	85
31) Cyclohexane	3.92	56	4206	26.048	ug/l #	91
32) 1,1,1-Trichloroethane	4.30	97	25007	106.760	ug/l	99
36) 1,1-Dichloropropene	4.49	75	4243	20.328	ug/l #	90
37) Ethyl Acetate	4.29	43	7773	101.007	ug/l #	91
38) Carbon Tetrachloride	4.20	117	11059	51.144	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	3081	14.718	ug/l #	67
40) Benzene	4.84	78	31301	68.100	ug/l	90
41) Methacrylonitrile	4.92	41	1185	23.677	ug/l #	17
42) 1,2-Dichloroethane	5.15	62	30723	159.820	ug/l	100
43) Isopropyl Acetate	7.19	43	542	5.709	ug/l #	70
44) Trichloroethene	5.70	130	5359	31.739	ug/l	90
45) 1,2-Dichloropropane	6.42	63	12502	120.087	ug/l	98
46) Dibromomethane	6.28	93	10739	124.411	ug/l	94
47) Bromodichloromethane	6.57	83	25270	117.093	ug/l #	99
48) Methyl methacrylate	6.91	41	3337	49.737	ug/l	93
49) 1,4-Dioxane	6.89	88	3793	5556.322	ug/l #	76
51) 4-Methyl-2-Pentanone	8.42	43	18974	263.746	ug/l	99
52) Toluene	7.80	92	9611	33.895	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	7242	44.368	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	5609	29.527	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	13300	147.755	ug/l #	82
56) Ethyl methacrylate	8.76	69	257	2.705	ug/l #	1
57) 1,3-Dichloropropane	9.00	76	15861	116.654	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	8658	303.079	ug/l	97
59) 2-Hexanone	9.65	43	1733	34.831	ug/l	83
60) Dibromochloromethane	8.87	129	15752	106.997	ug/l	94
61) 1,2-Dibromoethane	9.15	107	8262	78.095	ug/l	93
64) Tetrachloroethene	8.32	164	3005	30.639	ug/l #	87
65) Chlorobenzene	9.95	112	8531	42.679	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.08	131	16218	160.834	ug/l	96
67) Ethyl Benzene	10.05	91	12932	36.946	ug/l	99
68) m/p-Xylenes	10.27	106	8110	62.798	ug/l	98
69) o-Xylene	10.83	106	6590	47.223	ug/l	96
70) Styrene	10.90	104	7011	33.522	ug/l #	89
71) Bromoform	10.89	173	9099	164.706	ug/l #	99
73) Isopropylbenzene	11.23	105	12535	49.483	ug/l	90
74) N-amyl acetate	11.48	43	584	10.738	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.78	83	19766	498.341	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	13738	453.987	ug/l #	100
77) Bromobenzene	11.60	156	6179	92.941	ug/l	80
78) n-propylbenzene	11.68	91	7746	28.721	ug/l	99
79) 2-Chlorotoluene	11.81	91	9880	58.913	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	10198	45.930	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	462m	40.617	ug/l	
82) 4-Chlorotoluene	11.98	91	6175	37.281	ug/l	99
83) tert-Butylbenzene	12.21	119	16340	70.025	ug/l	79
84) 1,2,4-Trimethylbenzene	12.28	105	9650	44.412	ug/l	100
85) sec-Butylbenzene	12.37	105	8153	28.705	ug/l	99
86) p-Isopropyltoluene	12.52	119	7184	27.224	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	5494	45.248	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	4759	40.609	ug/l	99
89) n-Butylbenzene	12.91	91	3207	13.660	ug/l	92
90) Hexachloroethane	12.98	117	2515	38.171	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	7210	61.349	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2494	280.670	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	2915	27.653	ug/l	95
94) Hexachlorobutadiene	14.24	225	1927	24.526	ug/l	96
95) Naphthalene	14.50	128	8443	53.274	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	3516	34.428	ug/l	82

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

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