

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062502.D
 Acq On : 12 May 2019 14:49
 Operator : FY/SY
 Sample : K2734-04MS
 Misc : 3.60u/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:26:21 PM

Quant Time: May 13 05:33:29 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	5.08	168	27723	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	34133	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	14717	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	4772	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	49612	189.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	378.72%	
35) Dibromofluoromethane	4.33	113	52695	193.78	ug/l	0.02
Spiked Amount	50.000		Recovery	=	387.56%	
50) Toluene-d8	7.73	98	21161	32.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	64.30%	
62) 4-Bromofluorobenzene	11.50	95	6547	22.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	44.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	124043	386.610	ug/l	99
3) Chloromethane	1.14	50	50798	240.056	ug/l	93
4) Vinyl Chloride	1.19	62	41080	194.629	ug/l	99
5) Bromomethane	1.40	94	18339	118.593	ug/l	89
6) Chloroethane	1.44	64	25620	241.433	ug/l	91
7) Trichlorofluoromethane	1.56	101	91875	209.794	ug/l	88
8) Diethyl Ether	1.71	74	22323	336.883	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	50901	203.587	ug/l	97
10) Methyl Iodide	1.98	142	19542	47.430	ug/l	97
11) Tert butyl alcohol	2.70	59	28404	1918.262	ug/l #	93
12) 1,1-Dichloroethene	1.87	96	20814	97.925	ug/l	94
13) Acrolein	2.13	56	775	69.425	ug/l #	57
14) Allyl chloride	2.21	41	26936	143.462	ug/l #	87
15) Acrylonitrile	3.09	53	14980	534.073	ug/l	92
16) Acetone	2.35	43	56804	1071.785	ug/l	99
17) Carbon Disulfide	1.91	76	21525	46.445	ug/l #	82
18) Methyl Acetate	2.47	43	25618	279.420	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	189464	431.821	ug/l	99
20) Methylene Chloride	2.34	84	48269m	251.726	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	11429	56.437	ug/l	95
22) Diisopropyl ether	2.95	45	191587	326.485	ug/l	96
23) Vinyl Acetate	3.35	43	1490	5.697	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	71522	201.663	ug/l	97
25) 2-Butanone	4.54	43	12552	188.512	ug/l	96
26) 2,2-Dichloropropane	3.78	77	19995	100.955	ug/l	89
27) cis-1,2-Dichloroethene	3.67	96	23903	94.427	ug/l	94
28) Bromochloromethane	3.92	49	30934	192.320	ug/l	98
29) Tetrahydrofuran	4.29	42	53457	1746.846	ug/l	97
30) Chloroform	4.06	83	73725	153.867	ug/l	95
31) Cyclohexane	3.92	56	10045	35.484	ug/l #	92
32) 1,1,1-Trichloroethane	4.31	97	47325	115.242	ug/l	95
36) 1,1-Dichloropropene	4.48	75	8589	29.293	ug/l #	93
37) Ethyl Acetate	4.29	43	15683	147.643	ug/l #	93
38) Carbon Tetrachloride	4.21	117	21268	71.103	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	4516	15.357	ug/l #	87
40) Benzene	4.84	78	50063	77.536	ug/l	96
41) Methacrylonitrile	4.95	41	3991	56.765	ug/l #	63
42) 1,2-Dichloroethane	5.14	62	49713	184.091	ug/l	97
43) Isopropyl Acetate	7.15	43	1143	8.570	ug/l #	48
44) Trichloroethene	5.71	130	7304	30.794	ug/l	81
45) 1,2-Dichloropropane	6.43	63	25308	173.049	ug/l	96
46) Dibromomethane	6.28	93	18651	153.813	ug/l	99
47) Bromodichloromethane	6.56	83	44353	146.301	ug/l	100
48) Methyl methacrylate	6.90	41	6869	72.880	ug/l #	87
49) 1,4-Dioxane	6.88	88	8980	9373.410	ug/l #	80
51) 4-Methyl-2-Pentanone	8.42	43	22247	220.138	ug/l	88
52) Toluene	7.80	92	12345	30.992	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	10056	43.857	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	10000	37.474	ug/l #	89
55) 1,1,2-Trichloroethane	8.65	97	23086	182.573	ug/l #	86
57) 1,3-Dichloropropane	9.01	76	28097	147.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	15118	376.728	ug/l	98
59) 2-Hexanone	9.63	43	1734	24.809	ug/l	82
60) Dibromochloromethane	8.87	129	26153	126.460	ug/l	99
61) 1,2-Dibromoethane	9.15	107	15323	103.104	ug/l	96
64) Tetrachloroethene	8.32	164	4395	36.785	ug/l #	76
65) Chlorobenzene	9.94	112	12503	51.347	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.07	131	23838	194.059	ug/l	96
67) Ethyl Benzene	10.04	91	16152	37.881	ug/l	90
68) m/p-Xylenes	10.27	106	9486	60.296	ug/l	86
69) o-Xylene	10.82	106	8810	51.824	ug/l	98
70) Styrene	10.90	104	7038	27.624	ug/l #	81
71) Bromoform	10.89	173	13761	204.479	ug/l #	91
73) Isopropylbenzene	11.23	105	13920	49.204	ug/l	96
74) N-amyl acetate	11.45	43	463	7.623	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	11.78	83	31465	710.343	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	22264	658.802	ug/l #	100
77) Bromobenzene	11.59	156	5897	79.424	ug/l	83
78) n-propylbenzene	11.68	91	9712	32.245	ug/l	100
79) 2-Chlorotoluene	11.81	91	11665	62.284	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	13195	53.214	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	791m	62.269	ug/l	
82) 4-Chlorotoluene	11.99	91	8850	47.843	ug/l	91
83) tert-Butylbenzene	12.20	119	21552	82.703	ug/l	76
84) 1,2,4-Trimethylbenzene	12.28	105	14360	59.178	ug/l	92
85) sec-Butylbenzene	12.37	105	9822	30.965	ug/l	97
86) p-Isopropyltoluene	12.53	119	7917	26.865	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	6664	49.144	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	6417	49.031	ug/l	96
89) n-Butylbenzene	12.90	91	5117	19.516	ug/l	92
90) Hexachloroethane	12.98	117	2828	38.433	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	9343	71.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	4780	481.682	ug/l	97
93) 1,2,4-Trichlorobenzene	14.24	180	3805	32.321	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.23	225	3008	34.282	µg/l	93
95) Naphthalene	14.50	128	10802	61.032	µg/l #	94
96) 1,2,3-Trichlorobenzene	14.65	180	5112	44.822	µg/l	95

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

