

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062501.D
 Acq On : 12 May 2019 14:21
 Operator : FY/SY
 Sample : K2734-03
 Misc : 3.28g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 13 04:44:54 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	5.06	168	10686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	19589	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	12713	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	4540	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	21341	211.32	ug/l	0.03
Spiked Amount			Recovery	=	422.64%	
35) Dibromofluoromethane	4.33	113	17778	113.92	ug/l	0.02
Spiked Amount			Recovery	=	227.84%	
50) Toluene-d8	7.74	98	10912	28.89	ug/l	0.03
Spiked Amount			Recovery	=	57.78%	
62) 4-Bromofluorobenzene	11.51	95	4437	26.03	ug/l	0.02
Spiked Amount			Recovery	=	52.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	147	1.189	ug/l #	41
3) Chloromethane	1.15	50	478	5.860	ug/l #	42
4) Vinyl Chloride	1.19	62	169	2.077	ug/l #	42
5) Bromomethane	1.44	94	296	2.434	ug/l #	3
6) Chloroethane	1.48	64	73	1.785	ug/l #	49
7) Trichlorofluoromethane	1.69	101	272	1.611	ug/l #	20
8) Diethyl Ether	1.79	74	176	6.891	ug/l	62
11) Tert butyl alcohol	2.68	59	982	172.054	ug/l #	70
12) 1,1-Dichloroethene	1.90	96	1201	14.659	ug/l #	1
13) Acrolein	2.07	56	495	130.191	ug/l	94
14) Allyl chloride	2.22	41	449	6.204	ug/l #	14
15) Acrylonitrile	3.09	53	419	38.755	ug/l #	1
16) Acetone	2.35	43	12445	609.184	ug/l	96
18) Methyl Acetate	2.49	43	1107	28.358	ug/l #	58
19) Methyl tert-butyl Ether	2.59	73	1170	6.918	ug/l #	77
20) Methylene Chloride	2.36	84	377	5.101	ug/l #	42
21) trans-1,2-Dichloroethene	2.40	96	702	8.993	ug/l #	28
22) Diisopropyl ether	2.93	45	1353	5.982	ug/l #	47
23) Vinyl Acetate	3.36	43	405	4.017	ug/l #	79
24) 1,1-Dichloroethane	3.02	63	483	3.533	ug/l #	43
25) 2-Butanone	4.52	43	1073	41.807	ug/l #	60
26) 2,2-Dichloropropane	3.71	77	672	8.802	ug/l	82
27) cis-1,2-Dichloroethene	3.67	96	127	1.302	ug/l	92
28) Bromochloromethane	3.95	49	63	1.016	ug/l #	1
29) Tetrahydrofuran	4.29	42	500	42.388	ug/l	96
37) Ethyl Acetate	4.33	43	649	5.181	ug/l #	97
38) Carbon Tetrachloride	4.16	117	72	Below Cal	#	14
40) Benzene	4.85	78	451	1.217	ug/l #	48
41) Methacrylonitrile	4.99	41	564	13.978	ug/l #	17
43) Isopropyl Acetate	7.14	43	713	9.315	ug/l #	62
46) Dibromomethane	6.25	93	163	2.342	ug/l #	1
48) Methyl methacrylate	6.88	41	325	6.008	ug/l #	40
49) 1,4-Dioxane	6.78	88	130	223.537	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	1677	28.915	ug/l #	63

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52) Toluene	7.79	92	409	1.789	ug/l	84
53) t-1,3-Dichloropropene	8.45	75	201	1.527	ug/l #	43
56) Ethyl methacrylate	8.77	69	298	3.890	ug/l #	1
57) 1,3-Dichloropropane	9.09	76	156	1.423	ug/l #	26
58) 2-Chloroethyl Vinyl ether	7.49	63	61	2.649	ug/l #	42
59) 2-Hexanone	9.65	43	1566	39.041	ug/l	80
64) Tetrachloroethene	8.29	164	128	1.240	ug/l #	1
65) Chlorobenzene	9.93	112	496	2.358	ug/l #	43
67) Ethyl Benzene	10.05	91	1393	3.782	ug/l #	81
68) m/p-Xylenes	10.28	106	743	5.467	ug/l #	29
69) o-Xylene	10.83	106	338	2.302	ug/l	100
70) Styrene	10.89	104	927	4.212	ug/l #	68
73) Isopropylbenzene	11.22	105	1307	4.856	ug/l	85
74) N-ethyl acetate	11.45	43	860	14.883	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	11.72	83	70	1.661	ug/l #	1
76) 1,2,3-Trichloropropane	11.89	75	271	8.429	ug/l #	100
77) Bromobenzene	11.59	156	97	1.373	ug/l #	1
78) n-propylbenzene	11.68	91	1632	5.695	ug/l	100
79) 2-Chlorotoluene	11.81	91	581	3.261	ug/l	73
80) 1,3,5-Trimethylbenzene	11.90	105	827	3.506	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.99	75	353	29.209	ug/l #	5
82) 4-Chlorotoluene	11.81	91	581	3.301	ug/l	73
83) tert-Butylbenzene	12.20	119	683	2.755	ug/l #	45
84) 1,2,4-Trimethylbenzene	12.28	105	1085	4.700	ug/l	94
85) sec-Butylbenzene	12.38	105	1112	3.685	ug/l #	72
86) p-Isopropyltoluene	12.54	119	1164	4.152	ug/l #	67
87) 1,3-Dichlorobenzene	12.55	146	644	4.992	ug/l	88
88) 1,4-Dichlorobenzene	12.55	146	644	5.172	ug/l	89
89) n-Butylbenzene	12.91	91	1105	4.430	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	330	2.643	ug/l	69
92) 1,2-Dibromo-3-Chloropropan	13.67	75	90	9.533	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.25	180	843	7.527	ug/l #	48
94) Hexachlorobutadiene	14.24	225	257	3.079	ug/l	77
95) Naphthalene	14.50	128	1948	11.569	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.65	180	253	2.332	ug/l #	25

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

