

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062260.D
 Acq On : 23 Apr 2019 13:30
 Operator : FY/SY
 Sample : K2202-03
 Misc : 7.02g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SA-06-041819-B

Quant Time: Apr 24 07:59:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.53	114	61	50.00	ug/l	-0.24
63) Chlorobenzene-d5	9.48	117	76	50.00	ug/l	-0.41
72) 1,4-Dichlorobenzene-d4	12.63	152	81	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	236	55.35	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	110.70%	
35) Dibromofluoromethane	3.97	113	66	123.69	ug/l	-0.33
Spiked Amount				50.000		
			Recovery	=	247.38%	
50) Toluene-d8	7.35	98	66	48.86	ug/l	-0.35
Spiked Amount				50.000		
			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.01	95	328	631.24	ug/l	-0.47
Spiked Amount				50.000		
			Recovery	=	1262.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	72	10.189	ug/l #	42
3) Chloromethane	1.18	50	406	55.586	ug/l #	41
4) Vinyl Chloride	1.24	62	88	14.024	ug/l #	42
5) Bromomethane	1.36	94	302	82.845	ug/l #	35
6) Chloroethane	1.44	64	73	27.828	ug/l #	41
7) Trichlorofluoromethane	1.57	101	61	7.652	ug/l #	20
8) Diethyl Ether	1.75	74	60	36.162	ug/l #	1
11) Tert butyl alcohol	2.71	59	103	347.524	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	416	80.310	ug/l #	1
13) Acrolein	2.10	56	96	654.011	ug/l #	1
14) Allyl chloride	2.19	41	228	38.354	ug/l #	1
15) Acrylonitrile	3.06	53	323	357.811	ug/l #	22
16) Acetone	2.36	43	906	888.966	ug/l #	52
17) Carbon Disulfide	1.95	76	73	5.072	ug/l #	1
18) Methyl Acetate	2.46	43	282	138.814	ug/l #	86
19) Methyl tert-butyl Ether	2.52	73	1119	122.354	ug/l #	1
20) Methylene Chloride	2.42	84	75	9.971	ug/l #	1
21) trans-1,2-Dichloroethene	2.43	96	515	100.537	ug/l #	1
22) Diisopropyl ether	2.95	45	199	13.087	ug/l #	65
23) Vinyl Acetate	3.34	43	999	137.888	ug/l #	79
24) 1,1-Dichloroethane	2.98	63	66	7.934	ug/l #	88
25) 2-Butanone	4.53	43	736	361.164	ug/l #	56
26) 2,2-Dichloropropane	3.74	77	357	85.006	ug/l	89
27) cis-1,2-Dichloroethene	3.59	96	218	32.863	ug/l	33
28) Bromochloromethane	3.96	49	99	24.845	ug/l #	8
29) Tetrahydrofuran	4.25	42	387	419.555	ug/l #	64
30) Chloroform	4.09	83	104	10.173	ug/l	91
31) Cyclohexane	3.86	56	337	33.806	ug/l #	22
32) 1,1,1-Trichloroethane	4.25	97	63	8.419	ug/l #	17
36) 1,1-Dichloropropene	4.26	75	61	83.407	ug/l #	1
37) Ethyl Acetate	4.06	43	1403	4065.331	ug/l #	74
38) Carbon Tetrachloride	4.00	117	80	123.580	ug/l #	13
39) Methylcyclohexane	5.38	83	61	69.662	ug/l #	56
40) Benzene	4.61	78	158	82.364	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.68	41	2618	13151.164	ug/l #	42
42) 1,2-Dichloroethane	4.85	62	74	145.918	ug/l #	74
43) Isopropyl Acetate	6.74	43	675	1859.636	ug/l #	45
44) Trichloroethene	5.60	130	69	133.111	ug/l	2
45) 1,2-Dichloropropane	6.20	63	60	141.993	ug/l #	42
46) Dibromomethane	5.85	93	92	327.244	ug/l #	3
47) Bromodichloromethane	6.19	83	130	204.911	ug/l #	24
48) Methyl methacrylate	6.60	41	96	402.446	ug/l #	1
49) 1,4-Dioxane	6.63	88	61	22297.799	ug/l #	25
51) 4-Methyl-2-Pentanone	8.03	43	1935	7167.356	ug/l #	49
52) Toluene	7.21	92	135	133.506	ug/l	94
53) t-1,3-Dichloropropene	8.05	75	153	321.088	ug/l #	1
54) cis-1,3-Dichloropropene	7.11	75	73	113.258	ug/l #	1
55) 1,1,2-Trichloroethane	8.28	97	61	215.338	ug/l #	15
56) Ethyl methacrylate	8.40	69	191	593.038	ug/l #	1
57) 1,3-Dichloropropane	8.52	76	89	194.567	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.12	63	60	641.657	ug/l #	48
59) 2-Hexanone	9.00	43	690	4096.349	ug/l	90
60) Dibromochloromethane	8.41	129	63	149.542	ug/l #	10
61) 1,2-Dibromoethane	8.67	107	123	385.405	ug/l #	60
65) Chlorobenzene	10.07	112	66	40.727	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.25	131	82	108.052	ug/l #	1
67) Ethyl Benzene	10.00	91	548	185.967	ug/l #	44
68) m/p-Xylenes	10.30	106	132	121.684	ug/l #	1
69) o-Xylene	10.94	106	70	58.120	ug/l #	1
70) Styrene	10.88	104	60	35.301	ug/l #	1
73) Isopropylbenzene	11.21	105	331	47.572	ug/l #	49
74) N-amyl acetate	11.45	43	2213	1399.806	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	11.78	83	69	57.663	ug/l #	1
76) 1,2,3-Trichloropropane	11.90	75	158	191.919	ug/l #	64
78) n-propylbenzene	11.46	91	358	48.774	ug/l	94
79) 2-Chlorotoluene	11.80	91	692	155.420	ug/l #	58
80) 1,3,5-Trimethylbenzene	11.99	105	141	24.331	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.90	75	158	376.312	ug/l #	19
82) 4-Chlorotoluene	11.97	91	561	130.375	ug/l #	41
83) tert-Butylbenzene	12.21	119	351	58.569	ug/l #	40
84) 1,2,4-Trimethylbenzene	12.26	105	140	24.965	ug/l #	29
85) sec-Butylbenzene	12.10	105	287	36.888	ug/l	86
86) p-Isopropyltoluene	12.55	119	326	49.395	ug/l #	71
87) 1,3-Dichlorobenzene	12.50	146	76	27.477	ug/l #	14
88) 1,4-Dichlorobenzene	12.66	146	100	37.482	ug/l #	28
89) n-Butylbenzene	12.90	91	358	67.805	ug/l #	39
90) Hexachloroethane	12.94	117	67	39.533	ug/l #	12
91) 1,2-Dichlorobenzene	13.00	146	61	22.840	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	348	1480.219	ug/l #	1
94) Hexachlorobutadiene	14.21	225	66	43.074	ug/l #	19
95) Naphthalene	14.47	128	456	116.706	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.87	180	72	33.562	ug/l #	12

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

