

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062227.D
 Acq On : 19 Apr 2019 16:16
 Operator : FY/SY
 Sample : K2441-02RE
 Misc : 5.31g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-18-S2RE

Quant Time: Apr 19 16:39:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	148	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	449	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.66	152	341	50.00	ug/l	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	228	114.06	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	228.12%	
35) Dibromofluoromethane	4.28	113	71	54.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	109.68%	
50) Toluene-d8	7.73	98	327	99.78	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	199.56%	
62) 4-Bromofluorobenzene	11.52	95	442	350.60	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	701.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	222	67.010	ug/l #	42
3) Chloromethane	1.15	50	194	56.655	ug/l #	41
4) Vinyl Chloride	1.19	62	92	31.272	ug/l #	1
5) Bromomethane	1.41	94	162	94.792	ug/l	84
6) Chloroethane	1.48	64	63	51.226	ug/l #	41
8) Diethyl Ether	1.70	74	65	83.563	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.97	101	61	23.892	ug/l #	32
10) Methyl Iodide	1.97	142	66	14.551	ug/l #	1
11) Tert butyl alcohol	2.70	59	70	503.781	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	228	93.888	ug/l #	1
13) Acrolein	2.10	56	455	2967.774	ug/l #	14
14) Allyl chloride	2.20	41	449	161.109	ug/l #	29
15) Acrylonitrile	3.07	53	112	264.646	ug/l #	15
16) Acetone	2.33	43	837	1751.776	ug/l #	52
17) Carbon Disulfide	1.92	76	164	24.303	ug/l #	71
18) Methyl Acetate	2.48	43	751	819.464	ug/l #	85
19) Methyl tert-butyl Ether	2.55	73	344	80.231	ug/l #	58
20) Methylene Chloride	2.35	84	187	83.938	ug/l #	11
21) trans-1,2-Dichloroethene	2.39	96	1030	428.896	ug/l #	1
22) Diisopropyl ether	2.92	45	1067	149.670	ug/l #	1
23) Vinyl Acetate	3.33	43	575	169.288	ug/l #	79
24) 1,1-Dichloroethane	2.97	63	179	45.900	ug/l #	88
25) 2-Butanone	4.55	43	642	671.982	ug/l #	85
26) 2,2-Dichloropropane	3.60	77	377	191.478	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	799	256.919	ug/l #	10
28) Bromochloromethane	4.02	49	77	41.218	ug/l #	8
29) Tetrahydrofuran	4.24	42	675	1560.912	ug/l #	58
30) Chloroform	4.05	83	123	25.664	ug/l #	18
31) Cyclohexane	3.87	56	515	110.196	ug/l #	17
32) 1,1,1-Trichloroethane	4.29	97	507	144.519	ug/l #	25
36) 1,1-Dichloropropene	4.48	75	66	37.195	ug/l #	1
37) Ethyl Acetate	4.32	43	892	1065.298	ug/l #	74
38) Carbon Tetrachloride	4.22	117	62	39.475	ug/l #	13
39) Methylcyclohexane	5.63	83	300	141.206	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	458	98.404	ug/l	96
41) Methacrylonitrile	4.90	41	393	813.683	ug/l #	20
42) 1,2-Dichloroethane	5.14	62	101	82.086	ug/l #	1
43) Isopropyl Acetate	7.10	43	2379	2701.386	ug/l #	45
44) Trichloroethene	5.60	130	164	130.400	ug/l	2
45) 1,2-Dichloropropane	6.43	63	154	150.212	ug/l #	42
46) Dibromomethane	6.27	93	95	139.276	ug/l #	1
47) Bromodichloromethane	6.56	83	417	270.911	ug/l #	24
48) Methyl methacrylate	6.91	41	1137	1964.558	ug/l #	38
49) 1,4-Dioxane	6.69	88	70	10546.257	ug/l #	47
51) 4-Methyl-2-Pentanone	8.19	43	484	738.910	ug/l	89
52) Toluene	7.55	92	68	27.717	ug/l	77
53) t-1,3-Dichloropropene	8.42	75	269	232.677	ug/l	98
54) cis-1,3-Dichloropropene	7.50	75	143	91.443	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	83	120.764	ug/l #	55
56) Ethyl methacrylate	8.79	69	839	1073.691	ug/l #	6
57) 1,3-Dichloropropane	8.99	76	125	112.631	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.43	63	144	634.720	ug/l #	48
59) 2-Hexanone	9.72	43	834	2040.782	ug/l	83
60) Dibromochloromethane	8.83	129	127	124.250	ug/l #	10
61) 1,2-Dibromoethane	9.31	107	163	210.508	ug/l	98
64) Tetrachloroethene	8.10	164	60	14.803	ug/l #	1
65) Chlorobenzene	9.96	112	134	13.996	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.03	131	79	17.620	ug/l #	1
67) Ethyl Benzene	10.05	91	852	48.940	ug/l #	44
68) m/p-Xylenes	10.25	106	76	11.859	ug/l #	1
69) o-Xylene	10.76	106	118	16.584	ug/l	96
70) Stvrene	10.87	104	65	6.473	ug/l #	1
71) Bromoform	10.85	173	73	30.838	ug/l #	28
73) Isopropylbenzene	10.97	105	354	12.085	ug/l	90
74) N-amyl acetate	11.44	43	2564	383.578	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.78	83	228	45.260	ug/l #	84
76) 1,2,3-Trichloropropane	11.90	75	161	46.453	ug/l #	1
77) Bromobenzene	11.49	156	79	12.590	ug/l #	1
78) n-propylbenzene	11.69	91	239	7.734	ug/l	94
79) 2-Chlorotoluene	11.77	91	384	20.486	ug/l #	69
80) 1,3,5-Trimethylbenzene	11.90	105	818	33.529	ug/l	81
81) trans-1,4-Dichloro-2-buten	11.94	75	180	101.834	ug/l #	19
82) 4-Chlorotoluene	11.97	91	584	32.239	ug/l #	63
83) tert-Butylbenzene	12.38	119	401	15.894	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	386	16.350	ug/l	97
85) sec-Butylbenzene	12.37	105	362	11.052	ug/l	95
86) p-Isopropyltoluene	12.49	119	601	21.631	ug/l #	1
87) 1,3-Dichlorobenzene	12.50	146	65	5.582	ug/l #	32
88) 1,4-Dichlorobenzene	12.61	146	334	29.737	ug/l #	2
89) n-Butylbenzene	12.88	91	199	3.926	ug/l #	17
90) Hexachloroethane	12.94	117	83	11.633	ug/l #	12
91) 1,2-Dichlorobenzene	12.96	146	67	5.959	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	132	133.368	ug/l #	49
95) Naphthalene	14.50	128	122	7.417	ug/l #	8

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

