

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062228.D
 Acq On : 19 Apr 2019 16:45
 Operator : FY/SY
 Sample : K2442-10RE
 Misc : 5.62g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-21-S2RE

Quant Time: Apr 19 17:31:22 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	5.06	168	17564	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	14589	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	5580	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	60	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	2289	14.21	ug/l	0.03
Spiked Amount	50.000		Recovery	=	28.42%	
35) Dibromofluoromethane	4.31	113	3325	26.05	ug/l	0.02
Spiked Amount	50.000		Recovery	=	52.10%	
50) Toluene-d8	7.71	98	10057	31.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	62.26%	
62) 4-Bromofluorobenzene	11.52	95	1457	11.72	ug/l	0.03
Spiked Amount	50.000		Recovery	=	23.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	597	2.237	ug/l #	17
3) Chloromethane	1.16	50	341	1.236	ug/l #	41
5) Bromomethane	1.41	94	503	3.653	ug/l #	36
8) Diethyl Ether	1.69	74	249	3.973	ug/l	81
11) Tert butyl alcohol	2.70	59	272	24.297	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	455	2.326	ug/l #	1
13) Acrolein	2.11	56	779	148.253	ug/l #	1
14) Allyl chloride	2.12	41	9644	42.950	ug/l #	84
15) Acrylonitrile	3.07	53	354	10.382	ug/l #	17
16) Acetone	2.39	43	1956	50.811	ug/l #	81
18) Methyl Acetate	2.45	43	1126	8.765	ug/l #	59
19) Methyl tert-butyl Ether	2.58	73	371	1.074	ug/l #	73
20) Methylene Chloride	2.30	84	1820	3.847	ug/l #	77
21) trans-1,2-Dichloroethene	2.44	96	284	1.468	ug/l #	1
22) Diisopropyl ether	2.98	45	590	1.027	ug/l #	51
23) Vinyl Acetate	3.31	43	1616	5.905	ug/l #	79
25) 2-Butanone	4.58	43	1050	13.641	ug/l #	56
26) 2,2-Dichloropropane	3.81	77	557	3.511	ug/l	86
29) Tetrahydrofuran	4.26	42	174	4.994	ug/l #	1
37) Ethyl Acetate	4.32	43	2395	29.017	ug/l #	74
39) Methylcyclohexane	5.64	83	408	1.948	ug/l #	66
40) Benzene	4.82	78	700	1.526	ug/l #	1
41) Methacrylonitrile	4.93	41	392	8.234	ug/l #	45
43) Isopropyl Acetate	7.18	43	1415	16.300	ug/l #	55
46) Dibromomethane	6.30	93	141	2.097	ug/l #	3
47) Bromodichloromethane	6.53	83	266	1.753	ug/l #	24
48) Methyl methacrylate	6.86	41	547	9.588	ug/l #	1
49) 1,4-Dioxane	6.91	88	145	221.618	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	2135	33.066	ug/l #	48
52) Toluene	7.80	92	969	4.007	ug/l #	29
54) cis-1,3-Dichloropropene	7.44	75	215	1.395	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	163	2.406	ug/l #	51
56) Ethyl methacrylate	8.73	69	941	12.216	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	141	6.305	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) 2-Hexanone	9.66	43	843	21.062	ug/l	84
61) 1,2-Dibromoethane	9.02	107	77	1.009	ug/l	99
64) Tetrachloroethene	8.33	164	63	1.251	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.12	131	124	2.225	ug/l #	40
67) Ethyl Benzene	10.04	91	842	3.892	ug/l #	44
69) o-Xylene	10.80	106	133	1.504	ug/l #	1
73) Isopropylbenzene	11.21	105	551	106.907	ug/l	81
74) N-amyl acetate	11.44	43	832	709.335	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.74	83	496	559.584	ug/l #	59
76) 1,2,3-Trichloropropane	11.80	75	61	100.029	ug/l #	1
78) n-propylbenzene	11.68	91	878	161.484	ug/l #	53
79) 2-Chlorotoluene	11.80	91	1230	372.941	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.11	105	165	38.438	ug/l	84
81) trans-1,4-Dichloro-2-buten	11.91	75	140	450.146	ug/l #	90
82) 4-Chlorotoluene	12.13	91	497	155.928	ug/l	84
83) tert-Butylbenzene	12.18	119	124	27.933	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.11	105	165	39.721	ug/l	90
85) sec-Butylbenzene	12.35	105	390	67.670	ug/l	97
86) p-Isopropyltoluene	12.52	119	419	85.706	ug/l #	1
87) 1,3-Dichlorobenzene	12.36	146	63	30.749	ug/l #	24
88) 1,4-Dichlorobenzene	12.36	146	63	31.879	ug/l #	23
89) n-Butylbenzene	12.88	91	714	192.365	ug/l #	53
90) Hexachloroethane	12.99	117	76	60.539	ug/l #	12
91) 1,2-Dichlorobenzene	12.92	146	167	84.414	ug/l #	45
92) 1,2-Dibromo-3-Chloropropan	13.66	75	71	407.698	ug/l #	1
95) Naphthalene	14.48	128	245	84.650	ug/l #	46
96) 1,2,3-Trichlorobenzene	14.79	180	63	39.645	ug/l #	12

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

