

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060307.D
 Acq On : 20 Sep 2018 19:48
 Operator : VA/AP
 Sample : J5023-05
 Misc : 5.19/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-PIT-2

Quant Time: Sep 21 05:23:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	3242	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.43	114	174	50.00	ug/l	-0.33
63) Chlorobenzene-d5	9.35	117	157	50.00	ug/l	-0.57
72) 1,4-Dichlorobenzene-d4	12.63	152	64	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	458	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
35) Dibromofluoromethane	4.10	113	59	38.04	ug/l	-0.19
Spiked Amount	50.000		Recovery	=	76.08%	
50) Toluene-d8	7.25	98	103	25.50	ug/l	-0.46
Spiked Amount	50.000		Recovery	=	51.00%	
62) 4-Bromofluorobenzene	10.83	95	227	130.01	ug/l	-0.67
Spiked Amount	50.000		Recovery	=	260.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.99	85	185	Below Cal	# 40
3) Chloromethane	1.13	50	79	1.788	ug/l # 42
4) Vinyl Chloride	1.16	62	59	1.310	ug/l # 43
5) Bromomethane	1.25	94	145	Below Cal	# 96
6) Chloroethane	1.43	64	93	4.337	ug/l # 40
8) Diethyl Ether	1.57	74	66	4.729	ug/l # 85
9) 1,1,2-Trichlorotrifluoroet	1.98	101	71	1.592	ug/l # 23
10) Methyl Iodide	1.97	142	81	1.126	ug/l # 24
11) Tert butyl alcohol	2.72	59	75	15.078	ug/l # 63
12) 1,1-Dichloroethene	1.85	96	261	7.074	ug/l # 1
13) Acrolein	2.06	56	498	627.387	ug/l # 99
14) Allyl chloride	2.18	41	953	14.803	ug/l # 65
15) Acrylonitrile	3.03	53	225	36.493	ug/l # 30
16) Acetone	2.32	43	591	48.072	ug/l # 60
17) Carbon Disulfide	1.88	76	197	Below Cal	# 70
18) Methyl Acetate	2.43	43	699	34.129	ug/l # 62
19) Methyl tert-butyl Ether	2.54	73	328	3.566	ug/l # 59
20) Methylene Chloride	2.26	84	544	10.513	ug/l # 1
21) trans-1,2-Dichloroethene	2.40	96	93	2.441	ug/l # 1
22) Diisopropyl ether	2.91	45	334	2.750	ug/l # 24
23) Vinyl Acetate	3.33	43	1428	29.932	ug/l # 79
25) 2-Butanone	4.46	43	1307	78.984	ug/l # 56
26) 2,2-Dichloropropane	3.77	77	117	2.603	ug/l # 58
27) cis-1,2-Dichloroethene	3.59	96	291	5.813	ug/l # 1
28) Bromochloromethane	3.79	49	66	2.152	ug/l # 67
29) Tetrahydrofuran	4.19	42	409	67.494	ug/l # 49
30) Chloroform	4.04	83	177	1.862	ug/l # 15
31) Cyclohexane	3.87	56	332	4.989	ug/l # 1
32) 1,1,1-Trichloroethane	4.22	97	224	2.987	ug/l # 21
36) 1,1-Dichloropropene	4.20	75	86	39.624	ug/l # 1
37) Ethyl Acetate	4.04	43	1613	1756.394	ug/l # 1
38) Carbon Tetrachloride	3.91	117	59	25.308	ug/l # 3
39) Methylcyclohexane	5.36	83	231	98.202	ug/l # 16
40) Benzene	4.51	78	134	27.228	ug/l # 53

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41) Methacrylonitrile	4.62	41	552	1107.719	ug/l #	40
42) 1,2-Dichloroethane	4.78	62	74	40.851	ug/l	79
43) Isopropyl Acetate	6.70	43	447	404.313	ug/l #	48
44) Trichloroethene	5.41	130	60	40.966	ug/l	1
45) 1,2-Dichloropropane	6.05	63	87	68.306	ug/l #	42
46) Dibromomethane	5.88	93	64	70.297	ug/l #	45
47) Bromodichloromethane	6.22	83	146	66.731	ug/l #	26
48) Methyl methacrylate	6.51	41	592	762.803	ug/l #	34
49) 1,4-Dioxane	6.19	88	142	20480.279	ug/l #	1
51) 4-Methyl-2-Pentanone	7.94	43	561	658.362	ug/l #	35
52) Toluene	7.35	92	154	49.464	ug/l #	72
53) t-1,3-Dichloropropene	7.88	75	61	34.565	ug/l #	42
54) cis-1,3-Dichloropropene	6.96	75	99	44.529	ug/l #	29
55) 1,1,2-Trichloroethane	8.18	97	214	226.469	ug/l #	17
56) Ethyl methacrylate	8.27	69	193	169.115	ug/l #	41
57) 1,3-Dichloropropane	8.52	76	70	44.739	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.27	63	148	1466.966	ug/l	100
59) 2-Hexanone	9.20	43	359	591.715	ug/l	71
60) Dibromochloromethane	8.38	129	63	44.732	ug/l #	13
64) Tetrachloroethene	8.42	164	62	43.562	ug/l #	1
65) Chlorobenzene	9.96	112	62	17.424	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	82	55.530	ug/l #	6
67) Ethyl Benzene	10.02	91	131	19.911	ug/l #	46
68) m/p-Xylenes	10.25	106	60	26.397	ug/l #	1
69) o-Xylene	10.86	106	63	24.711	ug/l #	1
70) Styrene	10.88	104	101	28.091	ug/l #	31
71) Bromoform	10.81	173	72	88.779	ug/l #	31
73) Isopropylbenzene	11.19	105	60	10.443	ug/l #	51
74) N-amyl acetate	11.48	43	290	236.698	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.75	83	218	214.098	ug/l #	27
76) 1,2,3-Trichloropropane	11.91	75	90	123.447	ug/l #	1
78) n-propylbenzene	11.63	91	126	16.693	ug/l #	57
79) 2-Chlorotoluene	11.79	91	174	44.896	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.90	105	253	54.704	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.99	75	63	163.514	ug/l #	1
82) 4-Chlorotoluene	11.97	91	221	56.734	ug/l #	43
83) tert-Butylbenzene	12.13	119	65	13.864	ug/l #	35
84) 1,2,4-Trimethylbenzene	12.29	105	105	22.358	ug/l #	31
85) sec-Butylbenzene	12.41	105	172	27.795	ug/l #	58
86) p-Isopropyltoluene	12.53	119	105	19.190	ug/l #	1
89) n-Butylbenzene	12.93	91	804	Below Cal	#	28
90) Hexachloroethane	13.01	117	85	64.791	ug/l #	22
91) 1,2-Dichlorobenzene	13.03	146	70	31.714	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.67	75	59	308.621	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.16	180	76	47.373	ug/l #	1
95) Naphthalene	14.50	128	245	87.105	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.73	180	69	46.546	ug/l #	12

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

