

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060922.D
 Acq On : 6 Dec 2018 17:35
 Operator : VA/AP
 Sample : J6248-06
 Misc : 5.21g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

Quant Time: Dec 06 18:21:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	76	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	431	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	239	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.50	152	77	50.00	ug/l	-0.07

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	73	81.54	ug/l	-0.12
Spiked Amount	50.000		Recovery	=	163.08%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.56	98	947	94.02	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	188.04%	
62) 4-Bromofluorobenzene	11.38	95	3089	674.81	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	1349.62%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	294	397.594	ug/l #	41
4) Vinyl Chloride	1.24	62	66	95.688	ug/l #	1
5) Bromomethane	1.35	94	329	676.453	ug/l #	2
6) Chloroethane	1.24	64	87	291.798	ug/l #	40
8) Diethyl Ether	1.70	74	158	742.459	ug/l	63
11) Tert butyl alcohol	2.54	59	62	1689.338	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	276	458.645	ug/l #	1
13) Acrolein	1.92	56	413	11877.119	ug/l	91
14) Allyl chloride	2.10	41	308	410.638	ug/l #	36
15) Acrylonitrile	2.94	53	684	8313.062	ug/l #	55
16) Acetone	2.21	43	393	2380.382	ug/l	99
17) Carbon Disulfide	1.69	76	73	45.243	ug/l #	68
18) Methyl Acetate	2.37	43	1260	4702.634	ug/l #	61
19) Methyl tert-butyl Ether	2.41	73	89	65.665	ug/l #	58
20) Methylene Chloride	2.33	84	78	128.781	ug/l #	2
21) trans-1,2-Dichloroethene	2.33	96	143	246.485	ug/l #	43
22) Diisopropyl ether	2.82	45	174	85.225	ug/l #	1
23) Vinyl Acetate	3.19	43	473	506.827	ug/l #	80
24) 1,1-Dichloroethane	2.93	63	232	190.993	ug/l #	86
25) 2-Butanone	4.35	43	98	343.180	ug/l #	57
26) 2,2-Dichloropropane	3.58	77	181	229.840	ug/l #	60
27) cis-1,2-Dichloroethene	3.50	96	64	67.761	ug/l	1
29) Tetrahydrofuran	4.10	42	65	536.984	ug/l #	37
30) Chloroform	3.90	83	66	35.304	ug/l #	17
31) Cyclohexane	3.71	56	77	61.080	ug/l #	83
37) Ethyl Acetate	4.11	43	416	214.138	ug/l #	14
40) Benzene	4.70	78	63	5.965	ug/l #	52
41) Methacrylonitrile	4.76	41	144	151.003	ug/l #	47
43) Isopropyl Acetate	6.96	43	349	151.104	ug/l #	49
47) Bromodichloromethane	6.42	83	62	12.546	ug/l #	25
48) Methyl methacrylate	6.72	41	227	129.090	ug/l #	18
51) 4-Methyl-2-Pentanone	8.28	43	25240	14089.111	ug/l #	42
53) t-1,3-Dichloropropene	8.30	75	88	21.892	ug/l #	40
55) 1,1,2-Trichloroethane	8.39	97	1926	891.010	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Ethyl methacrylate	8.62	69	50270	20934.889	ug/l #	74
58) 2-Chloroethyl Vinyl ether	7.30	63	63	256.500	ug/l #	46
59) 2-Hexanone	9.52	43	4580	3644.133	ug/l #	43
65) Chlorobenzene	9.92	112	86	18.497	ug/l #	42
67) Ethyl Benzene	9.91	91	508	58.688	ug/l #	47
68) m/p-Xylenes	10.13	106	1169	375.500	ug/l	76
69) o-Xylene	10.71	106	578	168.369	ug/l	43
73) Isopropylbenzene	11.12	105	2256	370.750	ug/l	90
74) N-amyl acetate	11.40	43	2782	1979.921	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.77	83	2323	2319.633	ug/l #	46
78) n-propylbenzene	11.59	91	913	128.123	ug/l	96
79) 2-Chlorotoluene	11.73	91	118	28.880	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.89	105	70	14.170	ug/l #	26
82) 4-Chlorotoluene	11.94	91	651	151.397	ug/l #	55
83) tert-Butylbenzene	12.19	119	63	12.520	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.19	105	185	37.525	ug/l #	29
85) sec-Butylbenzene	12.31	105	640	92.910	ug/l #	58
86) p-Isopropyltoluene	12.59	119	65	11.255	ug/l #	1
89) n-Butylbenzene	12.89	91	208	35.619	ug/l #	27

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

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