

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060467.D
 Acq On : 5 Oct 2018 21:00
 Operator : VA/AP
 Sample : J5305-02RE
 Misc : 8.81/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

Quant Time: Oct 06 04:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.16	168	72	50.00	ug/l	0.15
34) 1,4-Difluorobenzene	5.91	114	92	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.27	117	67	50.00	ug/l	0.37
72) 1,4-Dichlorobenzene-d4	12.62	152	64	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.13	65	66	58.58	ug/l	0.14
Spiked Amount	50.000		Recovery	=	117.16%	
35) Dibromofluoromethane	4.52	113	76	87.93	ug/l	0.26
Spiked Amount	50.000		Recovery	=	175.86%	
50) Toluene-d8	7.81	98	170	79.87	ug/l	0.13
Spiked Amount	50.000		Recovery	=	159.74%	
62) 4-Bromofluorobenzene	11.81	95	159	163.60	ug/l	0.33
Spiked Amount	50.000		Recovery	=	327.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	139	94.912	ug/l #	43
3) Chloromethane	1.17	50	208	212.746	ug/l #	41
4) Vinyl Chloride	1.19	62	72	70.792	ug/l #	1
5) Bromomethane	1.30	94	177	224.678	ug/l #	3
6) Chloroethane	1.44	64	81	159.593	ug/l #	42
7) Trichlorofluoromethane	1.42	101	93	39.412	ug/l #	18
8) Diethyl Ether	1.86	74	131	405.088	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.93	101	79	69.893	ug/l #	22
10) Methyl Iodide	2.08	142	70	40.610	ug/l #	21
11) Tert butyl alcohol	2.82	59	66	968.495	ug/l #	77
12) 1,1-Dichloroethene	1.91	96	85	97.327	ug/l #	1
13) Acrolein	2.14	56	111	2025.387	ug/l	89
14) Allyl chloride	2.23	41	455	325.139	ug/l #	1
15) Acrylonitrile	3.19	53	80	685.110	ug/l #	46
16) Acetone	2.41	43	428	2011.316	ug/l #	66
17) Carbon Disulfide	2.06	76	159	60.123	ug/l #	68
18) Methyl Acetate	2.35	43	504	1232.327	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	67	31.497	ug/l #	1
20) Methylene Chloride	2.22	84	87	112.797	ug/l #	1
21) trans-1,2-Dichloroethene	2.52	96	68	77.960	ug/l #	1
22) Diisopropyl ether	2.96	45	184	72.438	ug/l #	1
23) Vinyl Acetate	3.42	43	287	284.437	ug/l #	81
24) 1,1-Dichloroethane	3.11	63	81	47.156	ug/l #	90
25) 2-Butanone	4.60	43	605	2073.889	ug/l #	60
26) 2,2-Dichloropropane	3.82	77	84	86.342	ug/l #	61
27) cis-1,2-Dichloroethene	3.69	96	100	102.540	ug/l	42
28) Bromochloromethane	3.92	49	217	342.777	ug/l #	10
29) Tetrahydrofuran	4.35	42	69	634.946	ug/l #	34
30) Chloroform	4.13	83	62	29.252	ug/l #	15
31) Cyclohexane	3.88	56	60	48.644	ug/l #	17
32) 1,1,1-Trichloroethane	4.33	97	195	110.559	ug/l #	23
36) 1,1-Dichloropropene	4.46	75	80	70.529	ug/l #	45
37) Ethyl Acetate	4.37	43	163	375.261	ug/l #	1
38) Carbon Tetrachloride	4.21	117	68	49.251	ug/l #	13

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.77	83	78	70.144	ug/l #	74
40) Benzene	4.92	78	60	26.646	ug/l #	1
41) Methacrylonitrile	5.00	41	196	851.030	ug/l #	52
42) 1,2-Dichloroethane	5.27	62	86	80.055	ug/l	83
43) Isopropyl Acetate	7.28	43	73	139.069	ug/l #	44
44) Trichloroethene	5.90	130	73	101.036	ug/l	1
45) 1,2-Dichloropropane	6.53	63	119	198.442	ug/l #	24
46) Dibromomethane	6.26	93	68	141.038	ug/l #	9
47) Bromodichloromethane	6.74	83	129	108.032	ug/l #	23
48) Methyl methacrylate	7.02	41	185	490.971	ug/l #	14
49) 1,4-Dioxane	6.92	88	91	28009.608	ug/l #	25
51) 4-Methyl-2-Pentanone	8.61	43	463	1239.093	ug/l #	39
52) Toluene	7.96	92	93	60.806	ug/l #	1
53) t-1,3-Dichloropropene	8.61	75	180	192.349	ug/l #	44
54) cis-1,3-Dichloropropene	7.56	75	62	56.689	ug/l #	15
55) 1,1,2-Trichloroethane	8.69	97	167	344.476	ug/l #	18
56) Ethyl methacrylate	8.99	69	73	132.514	ug/l #	31
57) 1,3-Dichloropropane	9.21	76	98	119.491	ug/l #	43
59) 2-Hexanone	9.91	43	173	631.215	ug/l #	27
60) Dibromochloromethane	9.17	129	110	150.699	ug/l #	11
65) Chlorobenzene	10.03	112	71	51.587	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	60	99.843	ug/l #	9
67) Ethyl Benzene	10.03	91	70	26.749	ug/l #	47
68) m/p-Xylenes	10.28	106	79	87.817	ug/l #	1
69) o-Xylene	10.91	106	62	63.228	ug/l #	1
70) Styrene	10.91	104	250	179.241	ug/l #	29
71) Bromoform	10.73	173	100	312.553	ug/l #	32
74) N-amyl acetate	11.46	43	123	106.353	ug/l #	46
76) 1,2,3-Trichloropropane	11.88	75	95	140.458	ug/l #	39
79) 2-Chlorotoluene	11.84	91	154	43.095	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.00	105	86	20.087	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.93	75	71	236.812	ug/l #	15
82) 4-Chlorotoluene	11.96	91	134	36.649	ug/l #	43
83) tert-Butylbenzene	12.24	119	88	20.839	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.33	105	63	14.838	ug/l #	30
85) sec-Butylbenzene	12.33	105	63	10.808	ug/l #	58
86) p-Isopropyltoluene	12.54	119	62	13.020	ug/l #	49
89) n-Butylbenzene	12.94	91	60	11.907	ug/l #	28
90) Hexachloroethane	12.94	117	67	54.437	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	13.73	75	143	802.897	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.16	180	151	99.472	ug/l #	10
94) Hexachlorobutadiene	14.12	225	62	58.519	ug/l #	17
95) Naphthalene	14.51	128	79	29.107	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	60	42.165	ug/l #	13

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

