

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060501.D
 Acq On : 9 Oct 2018 21:00
 Operator : VA/AP
 Sample : J5164-01LOD/MDL
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:20 PM

Quant Time: Oct 10 09:10:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	263632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	423426	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	364265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	215762	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	4.26	113	232524	59.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.32%	
50) Toluene-d8	7.68	98	481475	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.48	95	221061	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
3) Chloromethane	1.14	50	9600	2.995	ug/l #	88
4) Vinyl Chloride	1.18	62	7844	2.256	ug/l	95
5) Bromomethane	1.36	94	10020m	3.665	ug/l	
6) Chloroethane	1.42	64	4140	2.253	ug/l #	83
7) Trichlorofluoromethane	1.55	101	18140m	2.328	ug/l	
8) Diethyl Ether	1.69	74	2687m	2.410	ug/l	
9) 1,1,2-Trichlorotrifluoroet	1.87	101	9952	2.553	ug/l #	87
10) Methyl Iodide	1.95	142	14355	2.323	ug/l #	83
11) Tert butyl alcohol	2.67	59	3841m	18.335	ug/l	
12) 1,1-Dichloroethene	1.84	96	8702	2.673	ug/l	97
14) Allyl chloride	2.17	41	9995	2.083	ug/l #	85
15) Acrylonitrile	3.07	53	5379	12.196	ug/l #	76
17) Carbon Disulfide	1.89	76	19249	2.126	ug/l #	70
18) Methyl Acetate	2.44	43	10522	5.011	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	17599	2.401	ug/l	98
20) Methylene Chloride	2.31	84	15154m	4.983	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	8652	2.847	ug/l #	90
22) Diisopropyl ether	2.91	45	24363	2.470	ug/l #	96
23) Vinyl Acetate	3.30	43	37889	10.971	ug/l #	94
24) 1,1-Dichloroethane	2.98	63	14593	2.204	ug/l #	93
25) 2-Butanone	4.50	43	16064	16.845	ug/l #	88
26) 2,2-Dichloropropane	3.74	77	8634	2.501	ug/l	86
27) cis-1,2-Dichloroethene	3.61	96	7471	2.106	ug/l	92
28) Bromochloromethane	3.86	49	6695	2.911	ug/l #	79
29) Tetrahydrofuran	4.22	42	7540	18.756	ug/l #	88
30) Chloroform	3.99	83	16750	2.186	ug/l #	80
31) Cyclohexane	3.83	56	10205	2.409	ug/l #	79
32) 1,1,1-Trichloroethane	4.24	97	12776	2.117	ug/l	91
36) 1,1-Dichloropropene	4.43	75	11925	2.421	ug/l #	91
37) Ethyl Acetate	4.27	43	5750m	3.305	ug/l	
38) Carbon Tetrachloride	4.13	117	11724	2.370	ug/l #	93
39) Methylcyclohexane	5.59	83	10638	2.294	ug/l	95
40) Benzene	4.77	78	21546	2.131	ug/l #	83
41) Methacrylonitrile	4.89	41	3148	3.185	ug/l	90

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

42) 1,2-Dichloroethane	5.09	62	10699	2.332	ug/l	81
43) Isopropyl Acetate	7.08	43	7264	3.350	ug/l #	98
44) Trichloroethene	5.64	130	6974	2.214	ug/l	90
45) 1,2-Dichloropropane	6.38	63	5669	2.290	ug/l #	77
46) Dibromomethane	6.21	93	4405	2.218	ug/l #	62
47) Bromodichloromethane	6.51	83	11979	2.389	ug/l	86
48) Methyl methacrylate	6.84	41	3498	2.382	ug/l	93
49) 1,4-Dioxane	6.84	88	670	6.347	ug/l #	45
51) 4-Methyl-2-Pentanone	8.38	43	35331	23.359	ug/l	94
52) Toluene	7.74	92	12680	1.991	ug/l	92
53) t-1,3-Dichloropropene	8.40	75	7854	2.016	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	10030	2.211	ug/l #	83
55) 1,1,2-Trichloroethane	8.61	97	4037	2.063	ug/l #	91
56) Ethyl methacrylate	8.73	69	10465	4.621	ug/l #	91
57) 1,3-Dichloropropane	8.97	76	7718	2.290	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.74	63	3033	13.179	ug/l	100
59) 2-Hexanone	9.60	43	33349	30.481	ug/l	98
60) Dibromochloromethane	8.83	129	7308	2.379	ug/l	97
61) 1,2-Dibromoethane	9.10	107	4436	2.006	ug/l #	72
64) Tetrachloroethene	8.28	164	7623	2.640	ug/l #	82
65) Chlorobenzene	9.92	112	15593	2.204	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	6144	1.928	ug/l #	73
67) Ethyl Benzene	10.01	91	29765	2.230	ug/l	99
68) m/p-Xylenes	10.24	106	20839	4.574	ug/l	87
69) o-Xylene	10.80	106	10940	2.208	ug/l	93
70) Styrene	10.87	104	17959	2.518	ug/l	97
71) Bromoform	10.87	173	3601	2.229	ug/l #	72
73) Isopropylbenzene	11.21	105	36081	2.207	ug/l	99
74) N-amyl acetate	11.45	43	19816	5.568	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	6327	2.302	ug/l	83
76) 1,2,3-Trichloropropane	11.87	75	4726	2.225	ug/l	84
77) Bromobenzene	11.57	156	7360	2.026	ug/l	90
78) n-propylbenzene	11.67	91	44339	2.277	ug/l	97
79) 2-Chlorotoluene	11.79	91	27113	2.378	ug/l	87
80) 1,3,5-Trimethylbenzene	11.89	105	32168	2.345	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	3176	3.429	ug/l	96
82) 4-Chlorotoluene	11.97	91	25670	2.183	ug/l	97
83) tert-Butylbenzene	12.19	119	30389	2.204	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	30650	2.201	ug/l	95
85) sec-Butylbenzene	12.37	105	42002	2.246	ug/l	97
86) p-Isopropyltoluene	12.52	119	36297	2.364	ug/l	90
87) 1,3-Dichlorobenzene	12.54	146	17409	2.516	ug/l	90
88) 1,4-Dichlorobenzene	12.63	146	15768	2.349	ug/l	93
89) n-Butylbenzene	12.90	91	38351	2.387	ug/l	98
90) Hexachloroethane	12.97	117	8302	2.262	ug/l	69
91) 1,2-Dichlorobenzene	13.00	146	16578	2.488	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	843	1.445	ug/l	69
93) 1,2,4-Trichlorobenzene	14.25	180	12129	2.358	ug/l	94
94) Hexachlorobutadiene	14.24	225	7210	2.061	ug/l	94
95) Naphthalene	14.51	128	34656	3.919	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.65	180	11874	2.477	ug/l	94

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

