

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060798.D
 Acq On : 20 Nov 2018 1:45
 Operator : VA/AP
 Sample : J5952-03MSD
 Misc : 4.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Manual Integrations
 APPROVED

apatel
 11/20/2018 1:27:31 PM

Quant Time: Nov 20 13:23:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	150920	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	277620	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	214910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	84233	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	87412	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	4.13	113	103545	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
50) Toluene-d8	7.57	98	263608	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.42	95	100981	40.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	148876	55.120	ug/l	100
3) Chloromethane	1.10	50	103638	61.871	ug/l	99
4) Vinyl Chloride	1.15	62	88287	58.919	ug/l	100
5) Bromomethane	1.34	94	58525	61.487	ug/l	94
6) Chloroethane	1.39	64	38175	65.115	ug/l	95
7) Trichlorofluoromethane	1.49	101	193621	58.433	ug/l	97
8) Diethyl Ether	1.63	74	29504	69.495	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	89832	57.530	ug/l	97
10) Methyl Iodide	1.91	142	140651m	56.140	ug/l	
11) Tert butyl alcohol	2.57	59	29353	374.671	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	77965	63.321	ug/l	91
13) Acrolein	2.01	56	14964	208.898	ug/l	95
14) Allyl chloride	2.11	41	114533	53.098	ug/l	89
15) Acrylonitrile	2.94	53	65696	393.534	ug/l	96
16) Acetone	2.24	43	143992	391.345	ug/l	94
17) Carbon Disulfide	1.83	76	174357	46.853	ug/l	99
18) Methyl Acetate	2.35	43	68354m	113.136	ug/l	
19) Methyl tert-butyl Ether	2.44	73	196453	66.508	ug/l	100
20) Methylene Chloride	2.19	84	80288m	66.607	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	71860	55.861	ug/l	95
22) Diisopropyl ether	2.81	45	295930	71.061	ug/l	98
23) Vinyl Acetate	3.20	43	408058	208.085	ug/l	98
24) 1,1-Dichloroethane	2.89	63	163843	64.986	ug/l	99
25) 2-Butanone	4.35	43	197503	326.342	ug/l	96
26) 2,2-Dichloropropane	3.62	77	107337	54.101	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	129062	58.977	ug/l	99
28) Bromochloromethane	3.73	49	71807	54.803	ug/l	99
29) Tetrahydrofuran	4.09	42	92423	370.232	ug/l	96
30) Chloroform	3.87	83	236997	58.588	ug/l	97
31) Cyclohexane	3.71	56	150172	49.076	ug/l	92
32) 1,1,1-Trichloroethane	4.11	97	175959	55.237	ug/l	98
36) 1,1-Dichloropropene	4.30	75	153444	47.658	ug/l	98
37) Ethyl Acetate	4.13	43	67291	56.215	ug/l #	76
38) Carbon Tetrachloride	4.01	117	153530	49.143	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	126041	33.743	ug/l	98
40) Benzene	4.65	78	403430	56.210	ug/l	99
41) Methacrylonitrile	4.76	41	40630	64.958	ug/l	92
42) 1,2-Dichloroethane	4.96	62	132009	53.224	ug/l	97
43) Isopropyl Acetate	6.97	43	80856	50.946	ug/l #	99
44) Trichloroethene	5.52	130	110926	48.986	ug/l	93
45) 1,2-Dichloropropane	6.25	63	104740	56.081	ug/l	97
46) Dibromomethane	6.10	93	65076	52.785	ug/l	97
47) Bromodichloromethane	6.40	83	167969	53.354	ug/l	98
48) Methyl methacrylate	6.73	41	62345	59.355	ug/l	99
49) 1,4-Dioxane	6.72	88	11763	1197.432	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	337148	293.716	ug/l	99
52) Toluene	7.64	92	221475	46.048	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	104458	41.426	ug/l	93
54) cis-1,3-Dichloropropene	7.31	75	141648	43.247	ug/l	95
55) 1,1,2-Trichloroethane	8.51	97	71251	51.849	ug/l	96
56) Ethyl methacrylate	8.64	69	82211	52.676	ug/l	98
57) 1,3-Dichloropropane	8.86	76	122396	51.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	34222	240.042	ug/l	100
59) 2-Hexanone	9.50	43	226268	280.490	ug/l	98
60) Dibromochloromethane	8.74	129	98170	50.125	ug/l	95
61) 1,2-Dibromoethane	9.00	107	72550	50.199	ug/l	98
64) Tetrachloroethene	8.17	164	86570	50.868	ug/l	97
65) Chlorobenzene	9.81	112	228909	52.784	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	112100	59.264	ug/l	99
67) Ethyl Benzene	9.91	91	406358	49.711	ug/l	97
68) m/p-Xylenes	10.15	106	269524	92.261	ug/l	92
69) o-Xylene	10.73	106	165963	50.531	ug/l	92
70) Styrene	10.80	104	215473	48.340	ug/l	99
71) Bromoform	10.79	173	51314	60.327	ug/l #	95
73) Isopropylbenzene	11.13	105	440270	64.935	ug/l	97
74) N-amyl acetate	11.38	43	118592	76.833	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	99495	88.758	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	69452	83.424	ug/l	98
77) Bromobenzene	11.51	156	97476	69.068	ug/l	98
78) n-propylbenzene	11.61	91	440091	55.654	ug/l	95
79) 2-Chlorotoluene	11.73	91	284392	61.879	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	325285	60.430	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	26781m	65.479	ug/l	
82) 4-Chlorotoluene	11.91	91	263993	56.069	ug/l	97
83) tert-Butylbenzene	12.14	119	334351	58.500	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	305831	54.936	ug/l	97
85) sec-Butylbenzene	12.32	105	352056	45.409	ug/l	99
86) p-Isopropyltoluene	12.47	119	296596	45.805	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	148646	52.925	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	149382	55.340	ug/l	94
89) n-Butylbenzene	12.85	91	244507	37.001	ug/l	92
90) Hexachloroethane	12.93	117	70860	44.741	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	150227	56.808	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	16703	79.278	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	66148	34.801	ug/l	93
94) Hexachlorobutadiene	14.20	225	24347	19.602	ug/l	97
95) Naphthalene	14.47	128	249580	71.962	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	60715	34.568	ug/l	97

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

