

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060816.D
 Acq On : 20 Nov 2018 21:33
 Operator : VA/AP
 Sample : J5981-04MSD
 Misc : 4.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:41:07 PM

Quant Time: Nov 21 03:36:44 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	4.87	168	172620	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	261328	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	232700	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	99233	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	78183	39.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	79.42%	
35) Dibromofluoromethane	4.11	113	99449	50.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	7.56	98	275788	55.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	11.41	95	115864	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	135620	43.90	ug/l	97
3) Chloromethane	1.10	50	88412	46.15	ug/l	93
4) Vinyl Chloride	1.15	62	73155	42.68	ug/l	96
5) Bromomethane	1.33	94	53720	49.34	ug/l	94
6) Chloroethane	1.37	64	37916	56.54	ug/l	95
7) Trichlorofluoromethane	1.49	101	184408	48.66	ug/l	99
8) Diethyl Ether	1.63	74	26143	53.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	92009	51.52	ug/l	96
10) Methyl Iodide	1.89	142	130377	45.50	ug/l	92
11) Tert butyl alcohol	2.57	59	17973	200.57	ug/l	97
12) 1,1-Dichloroethene	1.78	96	65023	46.17	ug/l	99
13) Acrolein	2.00	56	10479	127.90	ug/l	96
14) Allyl chloride	2.10	41	118592	48.07	ug/l	# 82
15) Acrylonitrile	2.94	53	45097	236.18	ug/l	91
16) Acetone	2.24	43	107707	255.93	ug/l	96
17) Carbon Disulfide	1.83	76	124108m	29.16	ug/l	
18) Methyl Acetate	2.35	43	40855m	59.12	ug/l	
19) Methyl tert-butyl Ether	2.43	73	165194	48.90	ug/l	97
20) Methylene Chloride	2.18	84	67864	48.43	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	53859	36.60	ug/l	98
22) Diisopropyl ether	2.80	45	279895	58.76	ug/l	96
23) Vinyl Acetate	3.19	43	485971	216.66	ug/l	100
24) 1,1-Dichloroethane	2.87	63	155614	53.96	ug/l	98
25) 2-Butanone	4.33	43	165454	239.02	ug/l	95
26) 2,2-Dichloropropane	3.60	77	104893	46.22	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	107008	42.75	ug/l	95
28) Bromochloromethane	3.72	49	67143	44.80	ug/l	99
29) Tetrahydrofuran	4.08	42	68394	239.53	ug/l	97
30) Chloroform	3.86	83	212154	45.85	ug/l	99
31) Cyclohexane	3.70	56	159839	45.67	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	184354	50.60	ug/l	98
36) 1,1-Dichloropropene	4.28	75	146330	48.28	ug/l	98
37) Ethyl Acetate	4.11	43	60495	53.69	ug/l	87
38) Carbon Tetrachloride	4.00	117	161263	54.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	154533	43.95	ug/l	98
40) Benzene	4.64	78	380281	56.29	ug/l	99
41) Methacrylonitrile	4.75	41	31367	52.42	ug/l #	94
42) 1,2-Dichloroethane	4.94	62	110207	47.20	ug/l	100
43) Isopropyl Acetate	6.97	43	79992	53.54	ug/l	96
44) Trichloroethene	5.51	130	102783	48.22	ug/l	94
45) 1,2-Dichloropropane	6.24	63	102251	58.16	ug/l	98
46) Dibromomethane	6.09	93	53957	46.49	ug/l	92
47) Bromodichloromethane	6.39	83	153952	51.95	ug/l	99
48) Methyl methacrylate	6.72	41	55178	55.81	ug/l	95
49) 1,4-Dioxane	6.71	88	9004	973.72	ug/l #	84
51) 4-Methyl-2-Pentanone	8.26	43	302749	280.19	ug/l	99
52) Toluene	7.63	92	229706	50.74	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	97622	41.13	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	138901	45.05	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	68401	52.88	ug/l	98
56) Ethyl methacrylate	8.62	69	78445	53.40	ug/l	96
57) 1,3-Dichloropropane	8.86	76	116257	51.86	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	33538	249.91	ug/l	100
59) 2-Hexanone	9.50	43	230316	303.31	ug/l	98
60) Dibromochloromethane	8.72	129	91274	49.51	ug/l	94
61) 1,2-Dibromoethane	9.00	107	64883	47.69	ug/l	99
64) Tetrachloroethene	8.16	164	100259	54.41	ug/l	99
65) Chlorobenzene	9.81	112	236724	50.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	110669	54.03	ug/l	97
67) Ethyl Benzene	9.91	91	449976	50.84	ug/l	100
68) m/p-Xylenes	10.14	106	320420	101.30	ug/l	96
69) o-Xylene	10.71	106	182597	51.34	ug/l	99
70) Styrene	10.79	104	236765	49.06	ug/l	96
71) Bromoform	10.77	173	44262	48.06	ug/l	98
73) Isopropylbenzene	11.13	105	491574	61.54	ug/l	99
74) N-amyl acetate	11.37	43	138434	76.13	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	85643	64.85	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	59706	60.88	ug/l	98
77) Bromobenzene	11.50	156	98541	59.27	ug/l	92
78) n-propylbenzene	11.60	91	537190	57.66	ug/l	99
79) 2-Chlorotoluene	11.72	91	325503	60.12	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	390009	61.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	20759m	43.08	ug/l	
82) 4-Chlorotoluene	11.91	91	286513	51.65	ug/l	97
83) tert-Butylbenzene	12.13	119	393819	58.49	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	381964	58.24	ug/l	99
85) sec-Butylbenzene	12.31	105	534960	58.57	ug/l	94
86) p-Isopropyltoluene	12.46	119	375545	49.23	ug/l	94
87) 1,3-Dichlorobenzene	12.48	146	166832	50.42	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	162594	51.13	ug/l	97
89) n-Butylbenzene	12.84	91	325368	41.79	ug/l	97
90) Hexachloroethane	12.92	117	96031	51.47	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	173752	55.77	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	16151	65.07	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	83468	37.28	ug/l	94
94) Hexachlorobutadiene	14.20	225	33508	22.90	ug/l	94
95) Naphthalene	14.46	128	476106	116.53	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	76484	36.96	ug/l	94

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

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