

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059316.D
 Acq On : 26 Jun 2018 14:55
 Operator : VA/AP
 Sample : J3664-07MS
 Misc : 7.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

Manual Integrations
 APPROVED

apatel
 6/27/2018 2:09:09 PM

Quant Time: Jun 27 03:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	262793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	412315	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	415982	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	251453	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	163719	48.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	4.28	113	140545	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	7.69	98	357631	47.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.49	95	196260	46.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	117785	49.06	ug/l	93
3) Chloromethane	1.08	50	78264	48.52	ug/l	100
4) Vinyl Chloride	1.15	62	80956	50.99	ug/l	95
5) Bromomethane	1.34	94	52418	59.34	ug/l	97
6) Chloroethane	1.42	64	40954	51.21	ug/l	98
7) Trichlorofluoromethane	1.48	101	184962m	58.91	ug/l	
8) Diethyl Ether	1.69	74	37292	46.32	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	92497	50.47	ug/l	96
10) Methyl Iodide	1.95	142	169327	50.67	ug/l	93
11) Tert butyl alcohol	2.67	59	51607	228.32	ug/l	98
12) 1,1-Dichloroethene	1.85	96	84510	54.55	ug/l	98
13) Acrolein	2.08	56	16659	146.57	ug/l	93
14) Allyl chloride	2.18	41	152988	52.60	ug/l	99
15) Acrylonitrile	3.05	53	103972	261.21	ug/l	91
16) Acetone	2.32	43	323063	386.56	ug/l	95
17) Carbon Disulfide	1.86	76	188593m	51.75	ug/l	
18) Methyl Acetate	2.43	43	97816	64.16	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	311187	53.85	ug/l	93
20) Methylene Chloride	2.26	84	93908m	49.20	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	84283	51.00	ug/l	98
22) Diisopropyl ether	2.91	45	329526	51.17	ug/l	97
23) Vinyl Acetate	3.31	43	999647	243.72	ug/l	99
24) 1,1-Dichloroethane	2.98	63	206626	51.75	ug/l	100
25) 2-Butanone	4.49	43	313417	305.76	ug/l	99
26) 2,2-Dichloropropane	3.74	77	146903	53.34	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	136762	54.50	ug/l	87
28) Bromochloromethane	3.87	49	83496	54.86	ug/l	92
29) Tetrahydrofuran	4.23	42	129533	298.33	ug/l	98
30) Chloroform	4.01	83	304649	52.70	ug/l	99
31) Cyclohexane	3.84	56	135380	51.75	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	232628	54.99	ug/l	97
36) 1,1-Dichloropropene	4.43	75	194680	54.05	ug/l	98
37) Ethyl Acetate	4.27	43	125798	54.74	ug/l	86
38) Carbon Tetrachloride	4.15	117	239758m	52.75	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	157552	49.36	ug/l	97
40) Benzene	4.79	78	398242	49.87	ug/l	99
41) Methacrylonitrile	4.90	41	60611	49.33	ug/l	89
42) 1,2-Dichloroethane	5.09	62	239748	51.38	ug/l	99
43) Isopropyl Acetate	7.09	43	159960	53.32	ug/l #	97
44) Trichloroethene	5.66	130	136840	49.95	ug/l	99
45) 1,2-Dichloropropane	6.38	63	123691	54.21	ug/l	98
46) Dibromomethane	6.24	93	103301	52.16	ug/l	96
47) Bromodichloromethane	6.52	83	246144	51.34	ug/l	98
48) Methyl methacrylate	6.85	41	110223	54.82	ug/l	88
49) 1,4-Dioxane	6.84	88	10577	985.22	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	615799	277.05	ug/l	99
52) Toluene	7.75	92	304000	50.87	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	232415	53.19	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	249537	52.57	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	123757	53.34	ug/l	95
56) Ethyl methacrylate	8.74	69	160700	55.91	ug/l	98
57) 1,3-Dichloropropane	8.98	76	216861	54.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	54461	252.64	ug/l #	100
59) 2-Hexanone	9.61	43	462435	278.89	ug/l	99
60) Dibromochloromethane	8.85	129	195882	54.68	ug/l	88
61) 1,2-Dibromoethane	9.12	107	150498	53.48	ug/l	97
64) Tetrachloroethene	8.29	164	143433	53.16	ug/l	97
65) Chlorobenzene	9.92	112	381337	49.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	163284	48.98	ug/l	95
67) Ethyl Benzene	10.02	91	645276	49.35	ug/l	98
68) m/p-Xylenes	10.25	106	465276	99.97	ug/l	98
69) o-Xylene	10.81	106	264820	50.87	ug/l	97
70) Styrene	10.89	104	389438	49.11	ug/l	97
71) Bromoform	10.87	173	122978	53.82	ug/l	99
73) Isopropylbenzene	11.21	105	780153	53.26	ug/l	97
74) N-amyl acetate	11.45	43	271183	51.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	196916	53.23	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	147466	52.84	ug/l	98
77) Bromobenzene	11.58	156	207608	51.08	ug/l	91
78) n-propylbenzene	11.68	91	897446	51.01	ug/l	100
79) 2-Chlorotoluene	11.80	91	553593	51.50	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	653786	50.95	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	89864	54.10	ug/l	92
82) 4-Chlorotoluene	11.97	91	562740	48.88	ug/l	90
83) tert-Butylbenzene	12.20	119	643258	50.12	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	685319	50.71	ug/l	97
85) sec-Butylbenzene	12.38	105	829648	48.77	ug/l	99
86) p-Isopropyltoluene	12.53	119	701279	49.12	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	356050	53.37	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	365121	50.30	ug/l	97
89) n-Butylbenzene	12.91	91	705077	48.65	ug/l	98
90) Hexachloroethane	12.98	117	181226	50.93	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	366335	49.65	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42212	51.47	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	270330	49.55	ug/l	96
94) Hexachlorobutadiene	14.24	225	150079	49.25	ug/l	96
95) Naphthalene	14.51	128	609448	53.39	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	256119	49.56	ug/l	98

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

