

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059317.D
 Acq On : 26 Jun 2018 15:22
 Operator : VA/AP
 Sample : J3664-08MSD
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 6/27/2018 2:09:13 PM

Quant Time: Jun 27 03:07:17 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	270697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	419693	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	421612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	245183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	157431	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	4.27	113	141550	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	7.69	98	352221	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
62) 4-Bromofluorobenzene	11.49	95	195482	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	110020	44.48	ug/l	93
3) Chloromethane	1.07	50	74949	45.11	ug/l	98
4) Vinyl Chloride	1.14	62	77546	47.41	ug/l	98
5) Bromomethane	1.33	94	49511	54.27	ug/l	97
6) Chloroethane	1.42	64	38298	46.49	ug/l	98
7) Trichlorofluoromethane	1.47	101	169380m	52.37	ug/l	
8) Diethyl Ether	1.69	74	37257	44.93	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.88	101	89059	47.18	ug/l	99
10) Methyl Iodide	1.95	142	160335	46.58	ug/l	99
11) Tert butyl alcohol	2.66	59	47074	202.18	ug/l	97
12) 1,1-Dichloroethene	1.84	96	79983	50.12	ug/l	93
13) Acrolein	2.07	56	19592	170.31	ug/l	89
14) Allyl chloride	2.17	41	144013	48.07	ug/l	99
15) Acrylonitrile	3.06	53	99887	243.62	ug/l	93
16) Acetone	2.32	43	260068	299.78	ug/l	98
17) Carbon Disulfide	1.85	76	179832	47.90	ug/l	97
18) Methyl Acetate	2.43	43	84054	53.33	ug/l	96
19) Methyl tert-butyl Ether	2.51	73	282508	47.46	ug/l	93
20) Methylene Chloride	2.26	84	90849m	45.68	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	82341	48.37	ug/l	89
22) Diisopropyl ether	2.91	45	305171	46.00	ug/l	98
23) Vinyl Acetate	3.31	43	905477	214.32	ug/l	99
24) 1,1-Dichloroethane	2.98	63	195209	47.46	ug/l	100
25) 2-Butanone	4.47	43	260529	246.21	ug/l	94
26) 2,2-Dichloropropane	3.74	77	138408	48.79	ug/l	92
27) cis-1,2-Dichloroethene	3.61	96	122177	47.27	ug/l	87
28) Bromochloromethane	3.86	49	76997	48.63	ug/l	97
29) Tetrahydrofuran	4.23	42	108434	240.73	ug/l	99
30) Chloroform	4.01	83	275245	46.22	ug/l	97
31) Cyclohexane	3.84	56	130889	48.58	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	209147	48.00	ug/l	98
36) 1,1-Dichloropropene	4.44	75	179733	49.02	ug/l	97
37) Ethyl Acetate	4.26	43	107397	45.66	ug/l #	65
38) Carbon Tetrachloride	4.14	117	225622m	48.76	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	161715	49.77	ug/l	99
40) Benzene	4.78	78	381973	46.99	ug/l	100
41) Methacrylonitrile	4.90	41	55000	43.98	ug/l	95
42) 1,2-Dichloroethane	5.10	62	226839	47.75	ug/l	99
43) Isopropyl Acetate	7.09	43	135734	44.45	ug/l #	89
44) Trichloroethene	5.65	130	125304	44.93	ug/l	97
45) 1,2-Dichloropropane	6.38	63	113697	48.95	ug/l	99
46) Dibromomethane	6.23	93	94205	46.73	ug/l	98
47) Bromodichloromethane	6.52	83	233559	47.86	ug/l	96
48) Methyl methacrylate	6.85	41	97956	47.86	ug/l	93
49) 1,4-Dioxane	6.84	88	9547	868.61	ug/l #	70
51) 4-Methyl-2-Pentanone	8.38	43	532401	235.32	ug/l	100
52) Toluene	7.76	92	284636	46.79	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	210808	47.39	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	228683	47.33	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	110997	47.00	ug/l	95
56) Ethyl methacrylate	8.74	69	137256	46.91	ug/l	96
57) 1,3-Dichloropropane	8.98	76	185866	45.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	50223	228.89	ug/l	100
59) 2-Hexanone	9.61	43	437494	257.93	ug/l	98
60) Dibromochloromethane	8.84	129	174868	47.96	ug/l	96
61) 1,2-Dibromoethane	9.12	107	132182	46.15	ug/l	97
64) Tetrachloroethene	8.28	164	137698	50.36	ug/l	97
65) Chlorobenzene	9.92	112	362198	46.36	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	153150	45.32	ug/l	91
67) Ethyl Benzene	10.01	91	611050	46.10	ug/l	99
68) m/p-Xylenes	10.25	106	448369	95.05	ug/l	95
69) o-Xylene	10.81	106	251582	47.68	ug/l	91
70) Styrene	10.88	104	370672	46.12	ug/l	95
71) Bromoform	10.87	173	111189	48.01	ug/l #	95
73) Isopropylbenzene	11.21	105	715741	50.11	ug/l	99
74) N-amyl acetate	11.44	43	244619	47.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	175279	48.59	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	132565	48.72	ug/l	93
77) Bromobenzene	11.58	156	187628	47.35	ug/l	84
78) n-propylbenzene	11.67	91	838170	48.86	ug/l	96
79) 2-Chlorotoluene	11.80	91	515624	49.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	614491	49.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	79235	48.92	ug/l	92
82) 4-Chlorotoluene	11.98	91	544666	48.52	ug/l	95
83) tert-Butylbenzene	12.20	119	617790	49.37	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	637729	48.40	ug/l	100
85) sec-Butylbenzene	12.37	105	813395	49.04	ug/l	99
86) p-Isopropyltoluene	12.53	119	670662	48.18	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	341565	52.43	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	329188	46.51	ug/l	96
89) n-Butylbenzene	12.90	91	662480	46.88	ug/l	99
90) Hexachloroethane	12.98	117	165526	47.71	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	340165	47.28	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	39571	49.48	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	249695	46.94	ug/l	98
94) Hexachlorobutadiene	14.24	225	132914	44.73	ug/l	92
95) Naphthalene	14.51	128	550241	49.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	236049	46.84	ug/l	96

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

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