

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059324.D
 Acq On : 26 Jun 2018 18:37
 Operator : VA/AP
 Sample : J3663-04MSD
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Manual Integrations
 APPROVED

apatel
 6/27/2018 5:48:26 PM

Quant Time: Jun 27 05:20:44 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	5.03	168	284777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	450572	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	434468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	225087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	181343	49.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	4.27	113	156462	47.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	7.69	98	427880	52.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.49	95	219305	47.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	129506	49.77	ug/l	97
3) Chloromethane	1.08	50	80402	46.00	ug/l	95
4) Vinyl Chloride	1.14	62	86797	50.45	ug/l	96
5) Bromomethane	1.33	94	52990	55.24	ug/l	93
6) Chloroethane	1.42	64	41828	48.27	ug/l	91
7) Trichlorofluoromethane	1.48	101	177252m	52.10	ug/l	
8) Diethyl Ether	1.69	74	46861	53.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	102751	51.74	ug/l	95
10) Methyl Iodide	1.96	142	174430	48.16	ug/l	99
11) Tert butyl alcohol	2.67	59	80333	327.97	ug/l	96
12) 1,1-Dichloroethene	1.85	96	91769	54.66	ug/l	79
13) Acrolein	2.08	56	19344	158.55	ug/l	100
14) Allyl chloride	2.18	41	152515	48.39	ug/l	88
15) Acrylonitrile	3.05	53	153637	356.19	ug/l	84
16) Acetone	2.32	43	894257	1003.95	ug/l	96
17) Carbon Disulfide	1.86	76	202360	51.24	ug/l	96
18) Methyl Acetate	2.43	43	126092	76.55	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	333781	53.30	ug/l	95
20) Methylene Chloride	2.27	84	108461m	53.01	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	93583	52.25	ug/l	83
22) Diisopropyl ether	2.91	45	395267	56.64	ug/l	94
23) Vinyl Acetate	3.31	43	863139	194.20	ug/l	100
24) 1,1-Dichloroethane	2.98	63	211558	48.89	ug/l	100
25) 2-Butanone	4.48	43	659379	596.23	ug/l	97
26) 2,2-Dichloropropane	3.74	77	108724	36.43	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	276022	101.51	ug/l	86
28) Bromochloromethane	3.86	49	97101	59.22	ug/l	90
29) Tetrahydrofuran	4.23	42	155635	331.78	ug/l	100
30) Chloroform	4.01	83	310399	49.55	ug/l	99
31) Cyclohexane	3.85	56	153891	54.29	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	217347	47.41	ug/l	96
36) 1,1-Dichloropropene	4.43	75	195600	49.69	ug/l	96
37) Ethyl Acetate	4.27	43	155922	62.29	ug/l	95
38) Carbon Tetrachloride	4.15	117	229135	46.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	200201	57.40	ug/l	96
40) Benzene	4.79	78	474897	54.42	ug/l	97
41) Methacrylonitrile	4.90	41	74605	55.57	ug/l	88
42) 1,2-Dichloroethane	5.09	62	252027	49.42	ug/l	97
43) Isopropyl Acetate	7.09	43	199999	61.00	ug/l	96
44) Trichloroethene	5.66	130	157688	52.67	ug/l	91
45) 1,2-Dichloropropane	6.38	63	133068	53.37	ug/l	99
46) Dibromomethane	6.23	93	109955	50.81	ug/l	98
47) Bromodichloromethane	6.52	83	251589	48.02	ug/l	93
48) Methyl methacrylate	6.85	41	132754	60.41	ug/l	94
49) 1,4-Dioxane	6.85	88	17516	1515.94	ug/l #	85
51) 4-Methyl-2-Pentanone	8.39	43	1032434	425.05	ug/l	100
52) Toluene	7.76	92	376296	57.62	ug/l	91
53) t-1,3-Dichloropropene	8.41	75	211551	44.30	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	241156	46.49	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	143893	56.75	ug/l	96
56) Ethyl methacrylate	8.74	69	193698	61.67	ug/l	95
57) 1,3-Dichloropropane	8.98	76	227612	52.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	68028	288.78	ug/l	100
59) 2-Hexanone	9.61	43	538302	298.26	ug/l	99
60) Dibromochloromethane	8.84	129	194874	49.78	ug/l	94
61) 1,2-Dibromoethane	9.12	107	161517	52.53	ug/l	98
64) Tetrachloroethene	8.29	164	223291	79.24	ug/l	99
65) Chlorobenzene	9.92	112	2026144	251.67	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	167341	48.06	ug/l	97
67) Ethyl Benzene	10.02	91	739770	54.17	ug/l	99
68) m/p-Xylenes	10.25	106	592777	121.94	ug/l	97
69) o-Xylene	10.81	106	276583	50.87	ug/l	96
70) Styrene	10.89	104	414795	50.08	ug/l	97
71) Bromoform	10.87	173	128874	54.00	ug/l	97
73) Isopropylbenzene	11.22	105	776311	59.20	ug/l	100
74) N-amyl acetate	11.45	43	269142	56.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188088	56.79	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	152451	61.03	ug/l	98
77) Bromobenzene	11.58	156	206961	56.89	ug/l	90
78) n-propylbenzene	11.68	91	925155	58.75	ug/l	100
79) 2-Chlorotoluene	11.80	91	542178	56.35	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	852183	74.19	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	72984	49.09	ug/l	98
82) 4-Chlorotoluene	11.97	91	553122	53.67	ug/l	90
83) tert-Butylbenzene	12.20	119	582910	50.74	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	1236842	102.24	ug/l	96
85) sec-Butylbenzene	12.38	105	888164	58.32	ug/l	95
86) p-Isopropyltoluene	12.53	119	788026	61.66	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	1011269	180.35	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	1598270	245.99	ug/l	93
89) n-Butylbenzene	12.91	91	700450	53.99	ug/l	98
90) Hexachloroethane	12.99	117	146592	46.02	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	5120575	775.29	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41953	57.15	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	286049	58.57	µg/l	97
94) Hexachlorobutadiene	14.24	225	134037	49.14	µg/l	95
95) Naphthalene	14.51	128	1111648	108.80	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260389	56.28	µg/l	99

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

