

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003483.D
 Acq On : 24 Jun 2018 02:47
 Operator : SY/AP
 Sample : J3670-03MSD
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

Manual Integrations
 APPROVED

apatel
 6/26/2018 11:11:17 AM

Quant Time: Jun 25 04:37:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121968	62.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.54%	
35) Dibromofluoromethane	7.88	113	97774	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
50) Toluene-d8	10.33	98	382507	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	139534	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	39353	71.98	ug/l	87
3) Chloromethane	2.21	50	68466	49.57	ug/l	92
4) Vinyl Chloride	2.36	62	106298	52.79	ug/l	97
5) Bromomethane	2.78	94	60962	45.55	ug/l	100
6) Chloroethane	2.92	64	63930	45.61	ug/l	99
7) Trichlorofluoromethane	3.25	101	64188	53.21	ug/l	97
8) Diethyl Ether	3.68	74	53913	60.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89219	53.26	ug/l	99
10) Methyl Iodide	4.26	142	129832	51.25	ug/l	100
11) Tert butyl alcohol	5.23	59	48528	461.96	ug/l #	95
12) 1,1-Dichloroethene	4.03	96	85612	52.30	ug/l	96
13) Acrolein	3.89	56	25974	172.94	ug/l	93
14) Allyl chloride	4.67	41	157399	55.51	ug/l	96
15) Acrylonitrile	5.38	53	153590	421.25	ug/l	100
16) Acetone	4.14	43	190864	464.62	ug/l	98
17) Carbon Disulfide	4.37	76	247509	51.14	ug/l	98
18) Methyl Acetate	4.68	43	190652	195.63	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	205798	67.12	ug/l	100
20) Methylene Chloride	4.91	84	103100	59.80	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	98876	55.50	ug/l	98
22) Diisopropyl ether	6.31	45	319147	55.92	ug/l	99
23) Vinyl Acetate	6.26	43	503936m	153.24	ug/l	
24) 1,1-Dichloroethane	6.21	63	184909	54.58	ug/l	98
25) 2-Butanone	7.18	43	228868	448.04	ug/l	100
26) 2,2-Dichloropropane	7.17	77	109797	48.56	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	228092	116.55	ug/l	97
28) Bromochloromethane	7.51	49	91750	65.08	ug/l	97
29) Tetrahydrofuran	7.54	42	139757	447.66	ug/l	99
30) Chloroform	7.68	83	188375	54.58	ug/l	99
31) Cyclohexane	7.96	56	163729	51.73	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	152316	53.46	ug/l	100
36) 1,1-Dichloropropene	8.09	75	147187	52.40	ug/l	100
37) Ethyl Acetate	7.26	43	72627	62.41	ug/l	99
38) Carbon Tetrachloride	8.07	117	143191	51.97	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171972	52.91	ug/l	96
40) Benzene	8.33	78	412652	53.29	ug/l	99
41) Methacrylonitrile	7.49	41	57954	81.16	ug/l	98
42) 1,2-Dichloroethane	8.40	62	143143	59.01	ug/l	99
43) Isopropyl Acetate	8.43	43	153848	66.58	ug/l	99
44) Trichloroethene	9.10	130	108683	52.97	ug/l	98
45) 1,2-Dichloropropane	9.37	63	107817	54.69	ug/l	99
46) Dibromomethane	9.46	93	62777	62.20	ug/l	98
47) Bromodichloromethane	9.65	83	142096	54.92	ug/l	99
48) Methyl methacrylate	9.44	41	86766	79.90	ug/l	97
49) 1,4-Dioxane	9.48	88	25880	1698.17	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	489156	415.44	ug/l	99
52) Toluene	10.39	92	261915	52.75	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	154927	58.62	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	164472	54.68	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89900	63.21	ug/l	97
56) Ethyl methacrylate	10.65	69	119474	69.17	ug/l	97
57) 1,3-Dichloropropane	10.94	76	156337	63.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	270750	349.70	ug/l	99
59) 2-Hexanone	10.98	43	363888	442.40	ug/l	100
60) Dibromochloromethane	11.13	129	101313	59.90	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88607	65.86	ug/l	100
64) Tetrachloroethene	10.87	164	128185	70.22	ug/l	99
65) Chlorobenzene	11.66	112	1712780	301.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	103823	51.98	ug/l	99
67) Ethyl Benzene	11.74	91	516119	51.23	ug/l	99
68) m/p-Xylenes	11.85	106	387336	101.13	ug/l	100
69) o-Xylene	12.17	106	184147	51.88	ug/l	100
70) Styrene	12.19	104	310243	52.51	ug/l	100
71) Bromoform	12.35	173	65529	63.30	ug/l #	99
73) Isopropylbenzene	12.47	105	510961	51.33	ug/l	99
74) N-amyl acetate	12.28	43	112155	49.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	119333	70.86	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	83633m	68.36	ug/l	
77) Bromobenzene	12.76	156	122370	52.78	ug/l	93
78) n-propylbenzene	12.81	91	622893	51.10	ug/l	100
79) 2-Chlorotoluene	12.90	91	353689	51.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	427785	51.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36887	69.37	ug/l	99
82) 4-Chlorotoluene	12.99	91	366491	50.15	ug/l	99
83) tert-Butylbenzene	13.21	119	382384	53.70	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	435798	50.70	ug/l	99
85) sec-Butylbenzene	13.39	105	536971	50.73	ug/l	99
86) p-Isopropyltoluene	13.51	119	465591	49.87	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	250303	52.56	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	263307	55.61	ug/l	99
89) n-Butylbenzene	13.83	91	441794	48.55	ug/l	100
90) Hexachloroethane	14.10	117	83060	49.18	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	280450	67.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22767	80.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	148486	50.70	ug/l	99
94) Hexachlorobutadiene	15.25	225	75611	42.92	ug/l	100
95) Naphthalene	15.38	128	359114	72.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	138726	53.81	ug/l	99

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

