

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003949.D
 Acq On : 16 Jul 2018 13:41
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:12 AM

Quant Time: Jul 16 14:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:22:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	232590	71.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.06%	
35) Dibromofluoromethane	7.88	113	204649	72.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.04%	
50) Toluene-d8	10.33	98	805754	72.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.32%	
62) 4-Bromofluorobenzene	12.62	95	288759	72.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	107065m	71.25	ug/l	
3) Chloromethane	2.20	50	146312	66.40	ug/l	98
4) Vinyl Chloride	2.35	62	200899	66.48	ug/l	100
5) Bromomethane	2.76	94	123721	64.20	ug/l	100
6) Chloroethane	2.92	64	114545	64.82	ug/l	100
7) Trichlorofluoromethane	3.24	101	87279	68.21	ug/l	98
8) Diethyl Ether	3.67	74	99535	71.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	196380	72.24	ug/l	99
10) Methyl Iodide	4.26	142	289195	71.70	ug/l	99
11) Tert butyl alcohol	5.18	59	85383	419.97	ug/l	99
12) 1,1-Dichloroethene	4.03	96	196174	73.44	ug/l	99
13) Acrolein	3.89	56	79208	347.65	ug/l	98
14) Allyl chloride	4.65	41	330858	71.26	ug/l	99
15) Acrylonitrile	5.36	53	275113	391.38	ug/l	99
16) Acetone	4.12	43	270160	378.67	ug/l	95
17) Carbon Disulfide	4.37	76	616992	71.53	ug/l	98
18) Methyl Acetate	4.67	43	138516	78.76	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	397551	74.97	ug/l	100
20) Methylene Chloride	4.90	84	228592	48.04	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	216642	70.53	ug/l	96
22) Diisopropyl ether	6.31	45	684463	71.74	ug/l	98
23) Vinyl Acetate	6.25	43	2264153	385.03	ug/l	99
24) 1,1-Dichloroethane	6.21	63	399902	69.66	ug/l	99
25) 2-Butanone	7.18	43	396175	400.96	ug/l	99
26) 2,2-Dichloropropane	7.17	77	219713	66.86	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	235149	70.83	ug/l	98
28) Bromochloromethane	7.51	49	155696	63.65	ug/l	100
29) Tetrahydrofuran	7.53	42	253517	409.22	ug/l	100
30) Chloroform	7.68	83	397644	69.20	ug/l	99
31) Cyclohexane	7.95	56	364520	68.45	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	308005	68.92	ug/l	100
36) 1,1-Dichloropropene	8.08	75	325773	71.84	ug/l	99
37) Ethyl Acetate	7.26	43	171185	81.41	ug/l	99
38) Carbon Tetrachloride	8.07	117	304786	72.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	398955	76.74	ug/l	99
40) Benzene	8.32	78	903346	71.36	ug/l	100
41) Methacrylonitrile	7.49	41	92909	77.91	ug/l	96
42) 1,2-Dichloroethane	8.40	62	279884	72.49	ug/l	100
43) Isopropyl Acetate	8.43	43	317049	79.99	ug/l	99
44) Trichloroethene	9.09	130	235130	72.53	ug/l	97
45) 1,2-Dichloropropane	9.37	63	229931	71.01	ug/l	98
46) Dibromomethane	9.46	93	123355	74.38	ug/l	99
47) Bromodichloromethane	9.65	83	297355	72.08	ug/l	99
48) Methyl methacrylate	9.44	41	159087	83.54	ug/l	98
49) 1,4-Dioxane	9.45	88	41100	1640.40	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	864900	410.25	ug/l	100
52) Toluene	10.39	92	563313	71.57	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	321112	75.44	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	361546	74.08	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	172684	73.58	ug/l	100
56) Ethyl methacrylate	10.65	69	245007	82.69	ug/l	99
57) 1,3-Dichloropropane	10.93	76	303365	74.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	538367	377.09	ug/l	100
59) 2-Hexanone	10.98	43	616834	418.62	ug/l	100
60) Dibromochloromethane	11.13	129	205166	75.43	ug/l	99
61) 1,2-Dibromoethane	11.24	107	166473	75.56	ug/l	98
64) Tetrachloroethene	10.87	164	201801	72.93	ug/l	100
65) Chlorobenzene	11.66	112	612241	72.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	214749	72.91	ug/l	99
67) Ethyl Benzene	11.74	91	1119809	75.32	ug/l	98
68) m/p-Xylenes	11.84	106	843114	148.29	ug/l	100
69) o-Xylene	12.17	106	398163	75.44	ug/l	100
70) Styrene	12.18	104	668152	75.71	ug/l	100
71) Bromoform	12.35	173	127403	78.60	ug/l #	100
73) Isopropylbenzene	12.47	105	1087095	74.24	ug/l	100
74) N-amyl acetate	12.28	43	306102	82.12	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	213486	77.01	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	149940m	70.47	ug/l	
77) Bromobenzene	12.75	156	253337	72.40	ug/l	99
78) n-propylbenzene	12.81	91	1331867	73.82	ug/l	99
79) 2-Chlorotoluene	12.90	91	741742	72.67	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	914491	73.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	71398	81.06	ug/l	98
82) 4-Chlorotoluene	12.99	91	775555	71.03	ug/l	99
83) tert-Butylbenzene	13.21	119	777513	75.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	932992	73.22	ug/l	98
85) sec-Butylbenzene	13.39	105	1135026	73.44	ug/l	100
86) p-Isopropyltoluene	13.51	119	1017375	75.07	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	500700	71.14	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	492606	69.79	ug/l	100
89) n-Butylbenzene	13.84	91	985703	73.98	ug/l	100
90) Hexachloroethane	14.10	117	179792	71.98	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	450528	71.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	38323	78.81	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	319503	73.24	ug/l	99
94) Hexachlorobutadiene	15.25	225	183216	72.94	ug/l	98
95) Naphthalene	15.38	128	648012	82.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	283935	73.84	ug/l	99

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

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