

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072118\
 Data File : VX003588.D
 Acq On : 22 Jul 2018 07:14
 Operator : JC/SP
 Sample : J4028-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MSD

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 3:20:08 PM

Quant Time: Jul 23 07:01:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158825	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.51	113	162247	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	8.72	98	547575	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.14	95	199274	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112080	51.93	ug/l	94
3) Chloromethane	1.32	50	146970	55.02	ug/l	95
4) Vinyl Chloride	1.41	62	159803	46.25	ug/l	97
5) Bromomethane	1.64	94	82180	60.29	ug/l	98
6) Chloroethane	1.72	64	112453	54.99	ug/l	95
7) Trichlorofluoromethane	1.93	101	240037	52.07	ug/l	95
8) Diethyl Ether	2.19	74	101117	51.07	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147126	48.76	ug/l	98
10) Methyl Iodide	2.51	142	210554	58.09	ug/l	96
11) Tert butyl alcohol	3.07	59	149015	233.87	ug/l	100
12) 1,1-Dichloroethene	2.37	96	139905	50.36	ug/l	95
13) Acrolein	2.29	56	53907	187.25	ug/l	98
14) Allyl chloride	2.73	41	240101	48.82	ug/l	87
15) Acrylonitrile	3.15	53	412962	254.57	ug/l	97
16) Acetone	2.45	43	322551	265.20	ug/l #	88
17) Carbon Disulfide	2.57	76	368977	49.11	ug/l	95
18) Methyl Acetate	2.78	43	178881	46.65	ug/l #	90
19) Methyl tert-butyl Ether	3.20	73	489221	53.92	ug/l	93
20) Methylene Chloride	2.85	84	164213	55.31	ug/l #	82
21) trans-1,2-Dichloroethene	3.16	96	152775	49.42	ug/l	87
22) Diisopropyl ether	3.87	45	525992	56.84	ug/l	98
23) Vinyl Acetate	3.83	43	1767800	231.90	ug/l #	91
24) 1,1-Dichloroethane	3.70	63	294506	54.24	ug/l	99
25) 2-Butanone	4.71	43	539521	264.39	ug/l	97
26) 2,2-Dichloropropane	4.59	77	131204	31.81	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	181434	52.71	ug/l	92
28) Bromochloromethane	5.02	49	126139	53.15	ug/l #	82
29) Tetrahydrofuran	5.17	42	363425	269.60	ug/l	93
30) Chloroform	5.23	83	304361	57.40	ug/l	92
31) Cyclohexane	5.58	56	249218	51.37	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	251282	55.34	ug/l	95
36) 1,1-Dichloropropene	5.80	75	199090	48.42	ug/l	96
37) Ethyl Acetate	4.87	43	180606	46.41	ug/l #	93
38) Carbon Tetrachloride	5.79	117	209129	51.85	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226470	46.50	ug/l	93
40) Benzene	6.15	78	609684	49.11	ug/l	99
41) Methacrylonitrile	5.06	41	119264	52.15	ug/l	93
42) 1,2-Dichloroethane	6.20	62	200687	51.30	ug/l	95
43) Isopropyl Acetate	6.46	43	278125	44.93	ug/l #	92
44) Trichloroethene	7.21	130	181737	49.08	ug/l	98
45) 1,2-Dichloropropane	7.52	63	157523	49.97	ug/l	100
46) Dibromomethane	7.67	93	102357	50.43	ug/l	93
47) Bromodichloromethane	7.90	83	192196	51.73	ug/l	97
48) Methyl methacrylate	7.78	41	153288	49.11	ug/l #	82
49) 1,4-Dioxane	7.76	88	60143	850.37	ug/l #	92
51) 4-Methyl-2-Pentanone	8.65	43	968733	247.73	ug/l	91
52) Toluene	8.79	92	390202	49.93	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	214159	46.83	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	197854	48.11	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	157634	50.69	ug/l	97
56) Ethyl methacrylate	9.18	69	225726	51.54	ug/l #	80
57) 1,3-Dichloropropane	9.37	76	254448	50.62	ug/l	100
59) 2-Hexanone	9.50	43	711366	245.53	ug/l	86
60) Dibromochloromethane	9.59	129	164736	53.52	ug/l	99
61) 1,2-Dibromoethane	9.68	107	162646	50.45	ug/l	98
64) Tetrachloroethene	9.34	164	206936	48.41	ug/l	99
65) Chlorobenzene	10.14	112	447036	49.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	162757	52.33	ug/l	99
67) Ethyl Benzene	10.26	91	732247	50.38	ug/l	99
68) m/p-Xylenes	10.36	106	578778	101.58	ug/l	96
69) o-Xylene	10.70	106	279939	50.81	ug/l	95
70) Stvrene	10.71	104	472747	52.16	ug/l	97
71) Bromoform	10.86	173	131311	54.34	ug/l	99
73) Isopropylbenzene	11.02	105	747120	50.61	ug/l	99
74) N-amyl acetate	6.46	43	278125	44.37	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	218133	50.43	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	191597m	49.97	ug/l	
77) Bromobenzene	11.26	156	210579	49.60	ug/l	95
78) n-propylbenzene	11.36	91	828396	50.49	ug/l	98
79) 2-Chlorotoluene	11.42	91	495656	49.76	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	622990	51.35	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	52717	39.57	ug/l	89
82) 4-Chlorotoluene	11.51	91	579754	49.67	ug/l	97
83) tert-Butylbenzene	11.77	119	608566	51.23	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	634725	51.42	ug/l	97
85) sec-Butylbenzene	11.95	105	722358	50.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	659289	50.91	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	378933	48.56	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380624	47.35	ug/l	98
89) n-Butylbenzene	12.39	91	530190	48.21	ug/l	98
90) Hexachloroethane	12.60	117	93786	50.95	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	381104	49.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41622	49.44	ug/l	81
93) 1,2,4-Trichlorobenzene	13.65	180	273678	48.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	125676	46.36	ug/l	99
95) Naphthalene	13.83	128	764687	51.62	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275080	49.29	ug/l	99

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

