

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009765.D
 Acq On : 21 May 2019 22:01
 Operator : JC/SP
 Sample : K2973-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0153MSD

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:39:51 AM

Quant Time: May 22 08:26:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98113	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	
35) Dibromofluoromethane	5.50	113	72398	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
50) Toluene-d8	8.71	98	280808	41.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.56%	
62) 4-Bromofluorobenzene	11.13	95	107087	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67942	44.446	ug/l	98
3) Chloromethane	1.32	50	106591	51.074	ug/l	99
4) Vinyl Chloride	1.41	62	110926	54.507	ug/l	100
5) Bromomethane	1.64	94	60007	49.127	ug/l	97
6) Chloroethane	1.71	64	67790	51.883	ug/l	100
7) Trichlorofluoromethane	1.92	101	120146	48.569	ug/l	98
8) Diethyl Ether	2.19	74	55231	47.135	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71165	45.812	ug/l	99
10) Methyl Iodide	2.51	142	87370	48.553	ug/l	99
11) Tert butyl alcohol	3.06	59	127313	242.882	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73814	47.424	ug/l	96
13) Acrolein	2.29	56	98257	206.983	ug/l	100
14) Allyl chloride	2.73	41	180832	47.674	ug/l	99
15) Acrylonitrile	3.14	53	314955	245.742	ug/l	100
16) Acetone	2.45	43	275916	226.914	ug/l	97
17) Carbon Disulfide	2.57	76	228214	52.224	ug/l	99
18) Methyl Acetate	2.78	43	118196	40.873	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	291229	48.184	ug/l	99
20) Methylene Chloride	2.85	84	91390	46.419	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	82977	49.157	ug/l	98
22) Diisopropyl ether	3.85	45	356644	48.892	ug/l	99
23) Vinyl Acetate	3.82	43	1425212	228.164	ug/l	100
24) 1,1-Dichloroethane	3.70	63	172141	47.837	ug/l	99
25) 2-Butanone	4.67	43	470410	248.954	ug/l	98
26) 2,2-Dichloropropane	4.58	77	105077	39.230	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	138140	68.563	ug/l	96
28) Bromochloromethane	5.01	49	85057	59.223	ug/l	98
29) Tetrahydrofuran	5.13	42	312043	256.632	ug/l	98
30) Chloroform	5.21	83	156813	48.182	ug/l	100
31) Cyclohexane	5.58	56	165831	49.532	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	130193	48.054	ug/l	99
36) 1,1-Dichloropropene	5.80	75	121094	48.618	ug/l	99
37) Ethyl Acetate	4.83	43	159892	46.074	ug/l	98
38) Carbon Tetrachloride	5.78	117	109768	48.506	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145937	47.710	ug/l	98
40) Benzene	6.14	78	375125	48.665	ug/l	98
41) Methacrylonitrile	5.04	41	100941	48.864	ug/l	98
42) 1,2-Dichloroethane	6.19	62	136683	49.431	ug/l	98
43) Isopropyl Acetate	6.45	43	261021	47.023	ug/l	99
44) Trichloroethene	7.21	130	86074	46.189	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106258	48.682	ug/l	99
46) Dibromomethane	7.66	93	60391	47.646	ug/l	99
47) Bromodichloromethane	7.90	83	123376	48.797	ug/l	99
48) Methyl methacrylate	7.77	41	143031	51.937	ug/l	98
49) 1,4-Dioxane	7.74	88	49218	881.255	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	945555	260.612	ug/l	98
52) Toluene	8.78	92	229376	48.952	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	139640	48.919	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	152038	48.120	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	91720	47.980	ug/l	97
56) Ethyl methacrylate	9.18	69	171588	50.284	ug/l	97
57) 1,3-Dichloropropane	9.37	76	162827	48.403	ug/l	99
59) 2-Hexanone	9.49	43	715700	251.162	ug/l	98
60) Dibromochloromethane	9.58	129	92810	49.709	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95297	49.385	ug/l	99
64) Tetrachloroethene	9.34	164	74098	43.740	ug/l	98
65) Chlorobenzene	10.14	112	239049	48.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86274	48.169	ug/l	99
67) Ethyl Benzene	10.25	91	437090	48.073	ug/l	100
68) m/p-Xylenes	10.36	106	320512	96.466	ug/l	98
69) o-Xylene	10.69	106	155939	47.569	ug/l	99
70) Stvrene	10.71	104	273220	47.952	ug/l	98
71) Bromoform	10.85	173	72627	49.897	ug/l #	99
73) Isopropylbenzene	11.02	105	417628	48.714	ug/l	100
74) N-amyl acetate	10.90	43	223557	44.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	153721	48.099	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	134122m	49.044	ug/l	
77) Bromobenzene	11.26	156	103733	48.749	ug/l	99
78) n-propylbenzene	11.36	91	481960	49.225	ug/l	100
79) 2-Chlorotoluene	11.42	91	287108	47.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	353410	48.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49822	46.614	ug/l	97
82) 4-Chlorotoluene	11.51	91	331688	48.606	ug/l	99
83) tert-Butylbenzene	11.77	119	343505	48.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	352892	48.704	ug/l	100
85) sec-Butylbenzene	11.94	105	400153	48.064	ug/l	100
86) p-Isopropyltoluene	12.06	119	363564	48.576	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181469	47.839	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	180882	47.297	ug/l	99
89) n-Butylbenzene	12.38	91	329606	48.724	ug/l	99
90) Hexachloroethane	12.60	117	63386	49.711	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	180759	46.784	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34321	47.872	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	125663	47.562	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	64063	47.481	ug/l	99
95) Naphthalene	13.83	128	413277	48.078	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127819	47.725	ug/l	100

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

