

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008465.D
 Acq On : 26 Mar 2019 19:31
 Operator : JC/SP
 Sample : K2088-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 10:41:57 AM

Quant Time: Mar 27 03:27:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	137600	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	5.50	113	102373	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.71	98	402259	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.13	95	150294	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100208	44.213	ug/l	98
3) Chloromethane	1.32	50	123013	42.917	ug/l	98
4) Vinyl Chloride	1.40	62	138964	43.912	ug/l	98
5) Bromomethane	1.64	94	1076	2.432	ug/l	89
6) Chloroethane	1.71	64	84876	45.274	ug/l	99
7) Trichlorofluoromethane	1.92	101	160014	44.646	ug/l	98
8) Diethyl Ether	2.18	74	75298	44.393	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99854	46.100	ug/l	99
10) Methyl Iodide	2.51	142	503	4.348	ug/l #	94
11) Tert butyl alcohol	3.05	59	151626	234.771	ug/l	100
12) 1,1-Dichloroethene	2.37	96	100822	45.071	ug/l	94
13) Acrolein	2.29	56	12454	26.554	ug/l	87
14) Allyl chloride	2.73	41	109010	22.119	ug/l	89
15) Acrylonitrile	3.14	53	389335	229.896	ug/l	100
16) Acetone	2.44	43	368194	241.668	ug/l	99
17) Carbon Disulfide	2.57	76	299172	46.587	ug/l	99
18) Methyl Acetate	2.77	43	240768	65.799	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	381771	47.360	ug/l	98
20) Methylene Chloride	2.85	84	121871	48.999	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	108069	48.475	ug/l	99
22) Diisopropyl ether	3.85	45	453039	46.686	ug/l	96
23) Vinyl Acetate	3.81	43	1705032	201.393	ug/l	100
24) 1,1-Dichloroethane	3.70	63	225554	46.040	ug/l	99
25) 2-Butanone	4.67	43	572344	234.324	ug/l	100
26) 2,2-Dichloropropane	4.58	77	132246	40.585	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	126040	46.077	ug/l	98
28) Bromochloromethane	5.01	49	115307	47.640	ug/l	99
29) Tetrahydrofuran	5.13	42	372528	231.412	ug/l	100
30) Chloroform	5.21	83	206479	46.701	ug/l	98
31) Cyclohexane	5.58	56	212389	45.455	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	166406	47.086	ug/l	99
36) 1,1-Dichloropropene	5.80	75	158129	45.443	ug/l	99
37) Ethyl Acetate	4.83	43	207320	45.991	ug/l	99
38) Carbon Tetrachloride	5.79	117	136459	46.991	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189291	45.519	ug/l	99
40) Benzene	6.14	78	484808	46.539	ug/l	99
41) Methacrylonitrile	5.04	41	123663	48.815	ug/l	99
42) 1,2-Dichloroethane	6.19	62	173331	45.445	ug/l	100
43) Isopropyl Acetate	6.45	43	341636	47.381	ug/l	100
44) Trichloroethene	7.21	130	112086	45.825	ug/l	100
45) 1,2-Dichloropropane	7.51	63	138358	46.727	ug/l	100
46) Dibromomethane	7.66	93	79695	46.091	ug/l	99
47) Bromodichloromethane	7.90	83	160539	48.507	ug/l	97
48) Methyl methacrylate	7.77	41	179663	49.799	ug/l	99
49) 1,4-Dioxane	7.74	88	63244	881.634	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1156201	246.883	ug/l	100
52) Toluene	8.78	92	294541	47.287	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50201	13.848	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	5287	1.283	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118801	46.854	ug/l	99
56) Ethyl methacrylate	9.18	69	218807	47.807	ug/l	99
57) 1,3-Dichloropropane	9.37	76	211540	46.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	572265	241.884	ug/l	99
59) 2-Hexanone	9.49	43	905407	249.506	ug/l	99
60) Dibromochloromethane	9.58	129	115211	47.779	ug/l	99
61) 1,2-Dibromoethane	9.67	107	120879	46.715	ug/l	99
64) Tetrachloroethene	9.34	164	99786	51.104	ug/l	98
65) Chlorobenzene	10.14	112	296781	47.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	104673	48.370	ug/l	99
67) Ethyl Benzene	10.25	91	561211	47.409	ug/l	100
68) m/p-Xylenes	10.36	106	406568	94.409	ug/l	100
69) o-Xylene	10.70	106	201850	48.300	ug/l	99
70) Styrene	10.71	104	350844	48.601	ug/l	100
71) Bromoform	10.85	173	84625	49.518	ug/l	100
73) Isopropylbenzene	11.02	105	521885	46.399	ug/l	100
74) N-amyl acetate	10.90	43	293124	45.025	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203649	46.665	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	159167m	38.725	ug/l	
77) Bromobenzene	11.26	156	125239	45.878	ug/l	99
78) n-propylbenzene	11.36	91	619425	47.012	ug/l	100
79) 2-Chlorotoluene	11.42	91	369596	46.118	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	446319	46.936	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	6176	4.813	ug/l #	60
82) 4-Chlorotoluene	11.51	91	426260	46.111	ug/l	100
83) tert-Butylbenzene	11.77	119	411187	44.819	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	441679	45.922	ug/l	100
85) sec-Butylbenzene	11.94	105	502755	46.017	ug/l	99
86) p-Isopropyltoluene	12.06	119	451250	46.808	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	223879	45.901	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	224681	45.645	ug/l	100
89) n-Butylbenzene	12.38	91	424118	46.441	ug/l	100
90) Hexachloroethane	12.60	117	72668	45.246	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	227204	46.517	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46602	48.974	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	155222	47.203	ug/l	99
94) Hexachlorobutadiene	13.78	225	70433	45.108	ug/l	99
95) Naphthalene	13.83	128	538811	47.792	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	158252	47.892	ug/l	99

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

