

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009900.D
 Acq On : 24 May 2019 20:28
 Operator : JC/SP
 Sample : K3032-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:22 AM

Quant Time: May 25 01:50:35 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	5.67	168	167698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110275	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	5.50	113	78163	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.71	98	320561	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	11.13	95	118200	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62841	40.664	ug/l	98
3) Chloromethane	1.32	50	95619	45.321	ug/l	100
4) Vinyl Chloride	1.41	62	123166	59.867	ug/l	98
5) Bromomethane	1.64	94	54586	44.205	ug/l	96
6) Chloroethane	1.71	64	60556	45.845	ug/l	98
7) Trichlorofluoromethane	1.92	101	113401	45.346	ug/l	98
8) Diethyl Ether	2.19	74	53700	45.332	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67648	43.076	ug/l	100
10) Methyl Iodide	2.51	142	75148	41.994	ug/l	99
11) Tert butyl alcohol	3.06	59	118790	224.169	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73333	46.605	ug/l	96
13) Acrolein	2.29	56	99551	207.439	ug/l	99
14) Allyl chloride	2.73	41	175628	45.801	ug/l	99
15) Acrylonitrile	3.14	53	301940	233.037	ug/l	99
16) Acetone	2.45	43	302094	245.754	ug/l	97
17) Carbon Disulfide	2.57	76	203778	46.128	ug/l	100
18) Methyl Acetate	2.78	43	119344	40.824	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	279771	45.787	ug/l	99
20) Methylene Chloride	2.85	84	87199	43.811	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	314976	184.579	ug/l	97
22) Diisopropyl ether	3.85	45	347961	47.185	ug/l	98
23) Vinyl Acetate	3.82	43	1381983	218.849	ug/l	99
24) 1,1-Dichloroethane	3.70	63	165740	45.560	ug/l	100
25) 2-Butanone	4.67	43	461665	241.682	ug/l	97
26) 2,2-Dichloropropane	4.59	77	97964	36.178	ug/l #	44
27) cis-1,2-Dichloroethene	4.60	96	801612	393.555	ug/l	93
28) Bromochloromethane	5.01	49	84350	58.040	ug/l	96
29) Tetrahydrofuran	5.13	42	300808	244.715	ug/l	97
30) Chloroform	5.21	83	149775	45.521	ug/l	99
31) Cyclohexane	5.58	56	157999	46.682	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	123518	45.097	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114435	45.242	ug/l	98
37) Ethyl Acetate	4.84	43	151539	43.000	ug/l #	80
38) Carbon Tetrachloride	5.79	117	103395	44.991	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138494	44.585	ug/l	95
40) Benzene	6.14	78	354754	45.319	ug/l	99
41) Methacrylonitrile	5.04	41	98426	46.918	ug/l	98
42) 1,2-Dichloroethane	6.20	62	131479	46.823	ug/l	99
43) Isopropyl Acetate	6.45	43	255310	45.291	ug/l	98
44) Trichloroethene	7.21	130	1949490	1030.152	ug/l	96
45) 1,2-Dichloropropane	7.51	63	101081	45.602	ug/l	98
46) Dibromomethane	7.66	93	58602	45.528	ug/l	98
47) Bromodichloromethane	7.90	83	117879	45.910	ug/l	99
48) Methyl methacrylate	7.77	41	138434	49.499	ug/l	97
49) 1,4-Dioxane	7.74	88	44292	780.933	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	919193	249.474	ug/l	98
52) Toluene	8.79	92	217229	45.651	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	134821	46.509	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	145108	45.225	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	87053	44.843	ug/l	96
56) Ethyl methacrylate	9.18	69	164815	47.561	ug/l	95
57) 1,3-Dichloropropane	9.37	76	156118	45.699	ug/l	100
59) 2-Hexanone	9.49	43	713850	246.684	ug/l	97
60) Dibromochloromethane	9.58	129	86854	45.808	ug/l	98
61) 1,2-Dibromoethane	9.67	107	89654	45.751	ug/l	99
64) Tetrachloroethene	9.34	164	69957	40.722	ug/l	99
65) Chlorobenzene	10.14	112	223605	44.632	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	80490	44.315	ug/l	99
67) Ethyl Benzene	10.25	91	419285	45.475	ug/l	99
68) m/p-Xylenes	10.36	106	304094	90.253	ug/l	97
69) o-Xylene	10.69	106	149197	44.880	ug/l	98
70) Stvrene	10.71	104	262840	45.490	ug/l	98
71) Bromoform	10.85	173	67668	45.845	ug/l #	98
73) Isopropylbenzene	11.02	105	397018	43.648	ug/l	100
74) N-amyl acetate	10.90	43	228769	43.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	151119	44.567	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	128868m	44.414	ug/l	
77) Bromobenzene	11.26	156	99136	43.911	ug/l	98
78) n-propylbenzene	11.36	91	461896	44.464	ug/l	100
79) 2-Chlorotoluene	11.42	91	277332	43.273	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	337826	44.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48295	42.588	ug/l	97
82) 4-Chlorotoluene	11.51	91	321592	44.417	ug/l	99
83) tert-Butylbenzene	11.77	119	328081	44.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	341110	44.372	ug/l	99
85) sec-Butylbenzene	11.94	105	387956	43.921	ug/l	100
86) p-Isopropyltoluene	12.06	119	352998	44.453	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	175519	43.611	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	176808	43.574	ug/l	99
89) n-Butylbenzene	12.38	91	326620	45.508	ug/l	100
90) Hexachloroethane	12.60	117	59829	44.224	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	176201	42.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34057	44.773	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	124275	44.332	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	62079	43.366	ug/l	100
95) Naphthalene	13.83	128	403329	44.224	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125682	44.230	ug/l	100

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

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