

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009311.D
 Acq On : 03 May 2019 15:54
 Operator : JC/SP
 Sample : VX0503WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:24:50 AM

Quant Time: May 03 23:35:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	181002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116907	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	5.49	113	87332	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	8.71	98	353140	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	127782	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	31550	18.915	ug/l	98
3) Chloromethane	1.32	50	43247	18.991	ug/l	99
4) Vinyl Chloride	1.40	62	43174	19.443	ug/l	99
5) Bromomethane	1.64	94	25930	19.455	ug/l	94
6) Chloroethane	1.72	64	26775	18.781	ug/l	100
7) Trichlorofluoromethane	1.93	101	53218	19.716	ug/l	96
8) Diethyl Ether	2.18	74	24776	19.378	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34035	20.079	ug/l	99
10) Methyl Iodide	2.51	142	34276	20.399	ug/l	99
11) Tert butyl alcohol	3.04	59	54387	95.090	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32560	19.172	ug/l	99
13) Acrolein	2.29	56	33162	64.022	ug/l	100
14) Allyl chloride	2.73	41	77200	18.653	ug/l	99
15) Acrylonitrile	3.13	53	133860	95.719	ug/l	100
16) Acetone	2.44	43	120583	90.884	ug/l	99
17) Carbon Disulfide	2.57	76	85715	17.977	ug/l	99
18) Methyl Acetate	2.77	43	61108	19.367	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	130529	19.792	ug/l	100
20) Methylene Chloride	2.85	84	39295	18.292	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	35056	19.033	ug/l	97
22) Diisopropyl ether	3.85	45	156640	19.680	ug/l	95
23) Vinyl Acetate	3.81	43	676031	99.187	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75239	19.162	ug/l	98
25) 2-Butanone	4.67	43	198455	96.255	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55839	19.106	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	42029	19.118	ug/l	99
28) Bromochloromethane	5.01	49	31570	18.232	ug/l	100
29) Tetrahydrofuran	5.12	42	130786	98.577	ug/l	100
30) Chloroform	5.21	83	69305	19.516	ug/l	99
31) Cyclohexane	5.57	56	70255	19.232	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	56809	19.217	ug/l	99
36) 1,1-Dichloropropene	5.79	75	52875	20.010	ug/l	99
37) Ethyl Acetate	4.82	43	74671	20.281	ug/l	99
38) Carbon Tetrachloride	5.78	117	47223	19.669	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65671	20.236	ug/l	97
40) Benzene	6.14	78	162199	19.834	ug/l	100
41) Methacrylonitrile	5.04	41	41724	19.038	ug/l	98
42) 1,2-Dichloroethane	6.19	62	58285	19.868	ug/l	99
43) Isopropyl Acetate	6.44	43	116893	19.849	ug/l	100
44) Trichloroethene	7.21	130	38459	19.453	ug/l	93
45) 1,2-Dichloropropane	7.51	63	46168	19.937	ug/l	100
46) Dibromomethane	7.66	93	25854	19.226	ug/l	97
47) Bromodichloromethane	7.90	83	52777	19.675	ug/l	98
48) Methyl methacrylate	7.77	41	58879	20.152	ug/l	99
49) 1,4-Dioxane	7.74	88	23272	392.759	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	382359	99.333	ug/l	100
52) Toluene	8.78	92	98062	19.726	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	59111	19.519	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	65635	19.581	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40575	20.006	ug/l	99
56) Ethyl methacrylate	9.18	69	70858	19.573	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70936	19.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	188616	98.210	ug/l	100
59) 2-Hexanone	9.49	43	294855	97.532	ug/l	99
60) Dibromochloromethane	9.58	129	38743	19.559	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40207	19.640	ug/l	99
64) Tetrachloroethene	9.33	164	35664	20.281	ug/l	99
65) Chlorobenzene	10.13	112	101531	19.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	36701	19.740	ug/l	100
67) Ethyl Benzene	10.25	91	187839	19.903	ug/l	99
68) m/p-Xylenes	10.36	106	138464	40.148	ug/l	99
69) o-Xylene	10.69	106	67175	19.741	ug/l	99
70) Styrene	10.71	104	115827	19.584	ug/l	98
71) Bromoform	10.85	173	28550	18.896	ug/l #	99
73) Isopropylbenzene	11.02	105	184042	20.260	ug/l	100
74) N-amyl acetate	10.90	43	102904	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65463	19.331	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57200m	19.740	ug/l	
77) Bromobenzene	11.26	156	43925	19.481	ug/l	100
78) n-propylbenzene	11.36	91	212118	20.446	ug/l	99
79) 2-Chlorotoluene	11.42	91	125016	19.532	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	153632	20.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20439	18.047	ug/l	92
82) 4-Chlorotoluene	11.51	91	144357	19.964	ug/l	100
83) tert-Butylbenzene	11.77	119	147817	19.866	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	154619	20.139	ug/l	100
85) sec-Butylbenzene	11.94	105	178784	20.267	ug/l	99
86) p-Isopropyltoluene	12.06	119	161726	20.393	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78892	19.628	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80048	19.754	ug/l	99
89) n-Butylbenzene	12.38	91	147208	20.537	ug/l	100
90) Hexachloroethane	12.60	117	26003	19.246	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	81251	19.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14946	19.674	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	57765	20.633	ug/l	98
94) Hexachlorobutadiene	13.78	225	29080	20.341	ug/l	99
95) Naphthalene	13.83	128	187328	20.567	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	58704	20.686	ug/l	100

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

