

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006740.D
 Acq On : 21 Dec 2018 23:31
 Operator : JC/MD
 Sample : VX1221WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 11:15:38 AM

Quant Time: Dec 22 05:39:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	857767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	755918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	379153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310567	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	5.50	113	277891	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	8.71	98	1013086	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	355847	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88362	17.765	ug/l	93
3) Chloromethane	1.33	50	94508	17.637	ug/l	97
4) Vinyl Chloride	1.41	62	109241	19.519	ug/l	99
5) Bromomethane	1.64	94	102653	18.446	ug/l	98
6) Chloroethane	1.72	64	72552	18.722	ug/l	99
7) Trichlorofluoromethane	1.93	101	179859	20.613	ug/l	94
8) Diethyl Ether	2.19	74	70147	20.241	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101606	19.833	ug/l	99
10) Methyl Iodide	2.51	142	141972	19.359	ug/l	99
11) Tert butyl alcohol	3.08	59	153203	117.152	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96493	19.864	ug/l	98
13) Acrolein	2.30	56	89725	101.706	ug/l	99
14) Allyl chloride	2.73	41	163604	20.008	ug/l	98
15) Acrylonitrile	3.15	53	330405	113.793	ug/l	99
16) Acetone	2.45	43	277543	103.094	ug/l	99
17) Carbon Disulfide	2.57	76	215540	16.766	ug/l	99
18) Methyl Acetate	2.78	43	192102	24.267	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	351449	21.798	ug/l	98
20) Methylene Chloride	2.86	84	110914	19.924	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	106847	19.851	ug/l	100
22) Diisopropyl ether	3.88	45	317848	21.248	ug/l	93
23) Vinyl Acetate	3.82	43	1267220	103.566	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180443	20.207	ug/l	100
25) 2-Butanone	4.70	43	409131	108.041	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88026	12.761	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	122064	20.555	ug/l	97
28) Bromochloromethane	5.02	49	83919	21.227	ug/l	99
29) Tetrahydrofuran	5.16	42	281845	113.003	ug/l	98
30) Chloroform	5.21	83	193367	20.911	ug/l	99
31) Cyclohexane	5.58	56	155491	19.167	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	153747	19.690	ug/l	97
36) 1,1-Dichloropropene	5.80	75	138197	19.453	ug/l	99
37) Ethyl Acetate	4.87	43	156945	21.225	ug/l	99
38) Carbon Tetrachloride	5.78	117	130191	18.857	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165865	17.734	ug/l	99
40) Benzene	6.14	78	433772	20.087	ug/l	98
41) Methacrylonitrile	5.06	41	83703	21.321	ug/l	96
42) 1,2-Dichloroethane	6.20	62	149279	20.287	ug/l	99
43) Isopropyl Acetate	6.46	43	232121	20.632	ug/l	99
44) Trichloroethene	7.21	130	125349	19.178	ug/l	97
45) 1,2-Dichloropropane	7.52	63	107149	20.390	ug/l	99
46) Dibromomethane	7.66	93	77121	19.952	ug/l	99
47) Bromodichloromethane	7.90	83	122999	19.167	ug/l	99
48) Methyl methacrylate	7.77	41	120128	20.997	ug/l	99
49) 1,4-Dioxane	7.76	88	62360	404.747	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	774242	108.157	ug/l	99
52) Toluene	8.79	92	274114	19.648	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	118123	17.163	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	138056	18.281	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	116941	20.478	ug/l	99
56) Ethyl methacrylate	9.18	69	163662	20.278	ug/l	99
57) 1,3-Dichloropropane	9.37	76	185531	20.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	415105	96.755	ug/l	99
59) 2-Hexanone	9.49	43	593252	108.315	ug/l	100
60) Dibromochloromethane	9.59	129	100590	18.384	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124075	20.440	ug/l	99
64) Tetrachloroethene	9.34	164	119993	20.047	ug/l	97
65) Chlorobenzene	10.14	112	313473	19.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	105740	21.193	ug/l	98
67) Ethyl Benzene	10.25	91	513122	19.636	ug/l	97
68) m/p-Xylenes	10.36	106	407597	39.528	ug/l	99
69) o-Xylene	10.70	106	197310	19.377	ug/l	97
70) Styrene	10.71	104	312666	19.409	ug/l	98
71) Bromoform	10.86	173	68012	18.224	ug/l	100
73) Isopropylbenzene	11.02	105	527348	20.331	ug/l	99
74) N-amyl acetate	10.90	43	202195	21.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	173902	22.543	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	150062m	21.297	ug/l	
77) Bromobenzene	11.26	156	141691	20.205	ug/l	98
78) n-propylbenzene	11.36	91	575010	20.131	ug/l	100
79) 2-Chlorotoluene	11.42	91	344814	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	433544	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29360	15.839	ug/l #	82
82) 4-Chlorotoluene	11.51	91	394493	19.868	ug/l	99
83) tert-Butylbenzene	11.77	119	439673	20.562	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	445514	19.825	ug/l	100
85) sec-Butylbenzene	11.94	105	520412	19.851	ug/l	100
86) p-Isopropyltoluene	12.07	119	464454	20.154	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	252084	19.946	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	249305	19.242	ug/l	97
89) n-Butylbenzene	12.39	91	377478	19.247	ug/l	98
90) Hexachloroethane	12.60	117	58999	18.574	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	250641	19.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32661	20.462	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170480	19.548	ug/l	100
94) Hexachlorobutadiene	13.79	225	72723	17.692	ug/l	99
95) Naphthalene	13.83	128	569239	20.451	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	174543	19.384	ug/l	100

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

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