

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011588.D
 Acq On : 16 Aug 2019 17:58
 Operator : JC/SP
 Sample : VX0816WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:30:52 AM

Quant Time: Aug 19 03:31:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	395010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	552227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	503634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	161400	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	5.49	113	150833	41.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.52%	
50) Toluene-d8	8.71	98	499540	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
62) 4-Bromofluorobenzene	11.13	95	213917	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	76609	19.731	ug/l	99
3) Chloromethane	1.32	50	67068	16.631	ug/l	98
4) Vinyl Chloride	1.40	62	67127	18.427	ug/l	97
5) Bromomethane	1.64	94	31928	19.560	ug/l	99
6) Chloroethane	1.71	64	36270	21.037	ug/l	96
7) Trichlorofluoromethane	1.92	101	100165	19.851	ug/l	96
8) Diethyl Ether	2.18	74	34931	20.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63293	18.161	ug/l	99
10) Methyl Iodide	2.50	142	54116	10.900	ug/l	98
11) Tert butyl alcohol	3.04	59	82132	91.391	ug/l	98
12) 1,1-Dichloroethene	2.37	96	62399	18.527	ug/l	99
13) Acrolein	2.29	56	26412	103.044	ug/l	97
14) Allyl chloride	2.72	41	102041	18.213	ug/l	97
15) Acrylonitrile	3.14	53	192978	93.823	ug/l	99
16) Acetone	2.43	43	163736	88.894	ug/l	98
17) Carbon Disulfide	2.56	76	137043	17.268	ug/l	100
18) Methyl Acetate	2.76	43	107866	18.883	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	213784	19.489	ug/l	99
20) Methylene Chloride	2.85	84	68098	17.608	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66620	18.665	ug/l	96
22) Diisopropyl ether	3.85	45	211192	18.928	ug/l	98
23) Vinyl Acetate	3.81	43	836571	94.682	ug/l	100
24) 1,1-Dichloroethane	3.69	63	116241	18.426	ug/l	97
25) 2-Butanone	4.67	43	269711	93.272	ug/l	99
26) 2,2-Dichloropropane	4.57	77	82637	17.404	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	78915	18.966	ug/l	99
28) Bromochloromethane	5.01	49	53175	19.201	ug/l	98
29) Tetrahydrofuran	5.12	42	174326	91.903	ug/l	98
30) Chloroform	5.20	83	121856	18.303	ug/l	99
31) Cyclohexane	5.57	56	107151	19.727	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106032	18.522	ug/l	99
36) 1,1-Dichloropropene	5.79	75	89326	18.919	ug/l	99
37) Ethyl Acetate	4.82	43	98647	18.165	ug/l	99
38) Carbon Tetrachloride	5.78	117	91652	17.619	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	119617	20.515	ug/l	96
40) Benzene	6.13	78	270240	18.418	ug/l	100
41) Methacrylonitrile	5.03	41	55249	18.485	ug/l	96
42) 1,2-Dichloroethane	6.19	62	94750	18.639	ug/l	100
43) Isopropyl Acetate	6.44	43	157396	18.572	ug/l	99
44) Trichloroethene	7.21	130	83085	19.089	ug/l	98
45) 1,2-Dichloropropane	7.51	63	69036	18.867	ug/l	100
46) Dibromomethane	7.66	93	47427	17.836	ug/l	100
47) Bromodichloromethane	7.90	83	85603	17.533	ug/l	98
48) Methyl methacrylate	7.77	41	79328	18.901	ug/l	99
49) 1,4-Dioxane	7.74	88	39784	356.392	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	526458	94.904	ug/l	99
52) Toluene	8.78	92	178690	19.116	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	91075	17.974	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	102388	18.464	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	72322	18.194	ug/l	96
56) Ethyl methacrylate	9.18	69	112866	19.535	ug/l	100
57) 1,3-Dichloropropane	9.37	76	118249	18.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	257595	89.482	ug/l	99
59) 2-Hexanone	9.49	43	399217	93.323	ug/l	100
60) Dibromochloromethane	9.58	129	73049	17.638	ug/l	97
61) 1,2-Dibromoethane	9.67	107	78233	18.441	ug/l	98
64) Tetrachloroethene	9.34	164	77618	18.784	ug/l	96
65) Chlorobenzene	10.13	112	200976	18.709	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	73941	18.416	ug/l	98
67) Ethyl Benzene	10.25	91	353549	19.721	ug/l	100
68) m/p-Xylenes	10.35	106	284159	41.293	ug/l	100
69) o-Xylene	10.69	106	130901	19.420	ug/l	97
70) Styrene	10.71	104	222949	19.648	ug/l	100
71) Bromoform	10.85	173	57521	17.064	ug/l #	99
73) Isopropylbenzene	11.02	105	352033	19.078	ug/l	98
74) N-amyl acetate	10.90	43	156548	19.964	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	118754	18.709	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	96355m	17.869	ug/l	
77) Bromobenzene	11.25	156	101288	18.450	ug/l	99
78) n-propylbenzene	11.36	91	388441	19.523	ug/l	100
79) 2-Chlorotoluene	11.42	91	228616	18.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	313132	20.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	28306	17.430	ug/l #	86
82) 4-Chlorotoluene	11.51	91	272915	19.254	ug/l	100
83) tert-Butylbenzene	11.77	119	294807	18.674	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	333699	21.444	ug/l	100
85) sec-Butylbenzene	11.94	105	338137	18.984	ug/l	99
86) p-Isopropyltoluene	12.06	119	329637	19.672	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178772	18.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181545	18.982	ug/l	99
89) n-Butylbenzene	12.38	91	279488	20.288	ug/l	99
90) Hexachloroethane	12.59	117	45231	17.094	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	175460	18.523	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24103	16.598	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138270	19.591	ug/l	96
94) Hexachlorobutadiene	13.78	225	64326	16.738	ug/l	98
95) Naphthalene	13.83	128	440524	22.078	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	141884	19.931	ug/l	98

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

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