

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011698.D
 Acq On : 20 Aug 2019 21:17
 Operator : JC/SP
 Sample : VX0820WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:36:26 AM

Quant Time: Aug 21 00:42:44 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	5.65	168	299784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	430233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	218097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	148638	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	5.49	113	134576	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	8.71	98	406108	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.13	95	184441	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	62674	21.269	ug/l	99
3) Chloromethane	1.32	50	51149	16.712	ug/l	96
4) Vinyl Chloride	1.40	62	51862	18.759	ug/l	99
5) Bromomethane	1.63	94	31345	25.303	ug/l	99
6) Chloroethane	1.71	64	29451	22.508	ug/l	97
7) Trichlorofluoromethane	1.92	101	83260	21.742	ug/l	97
8) Diethyl Ether	2.18	74	29037	22.105	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	52890	19.996	ug/l	99
10) Methyl Iodide	2.50	142	62317	16.539	ug/l	100
11) Tert butyl alcohol	3.04	59	70214	102.947	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50194	19.637	ug/l	99
13) Acrolein	2.29	56	20857	106.725	ug/l	96
14) Allyl chloride	2.72	41	84106	19.780	ug/l	96
15) Acrylonitrile	3.14	53	164718	105.522	ug/l	98
16) Acetone	2.43	43	140100	100.223	ug/l	100
17) Carbon Disulfide	2.56	76	113305	18.812	ug/l	99
18) Methyl Acetate	2.76	43	94442	21.784	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	181746	21.831	ug/l	95
20) Methylene Chloride	2.85	84	58833	20.045	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	54859	20.253	ug/l	97
22) Diisopropyl ether	3.85	45	178193	21.043	ug/l	99
23) Vinyl Acetate	3.81	43	696794	103.912	ug/l	100
24) 1,1-Dichloroethane	3.69	63	99566	20.796	ug/l	98
25) 2-Butanone	4.67	43	227530	103.679	ug/l	96
26) 2,2-Dichloropropane	4.57	77	66702	18.511	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	66683	21.117	ug/l	99
28) Bromochloromethane	5.01	49	41561	19.775	ug/l	99
29) Tetrahydrofuran	5.12	42	135173	93.898	ug/l	96
30) Chloroform	5.20	83	101947	20.177	ug/l	98
31) Cyclohexane	5.57	56	82846	20.098	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	93347	21.486	ug/l	99
36) 1,1-Dichloropropene	5.79	75	73591	20.006	ug/l	100
37) Ethyl Acetate	4.82	43	83243	19.675	ug/l	98
38) Carbon Tetrachloride	5.78	117	78349	19.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82838	18.236	ug/l	99
40) Benzene	6.14	78	222962	19.505	ug/l	98
41) Methacrylonitrile	5.03	41	45750	19.647	ug/l	99
42) 1,2-Dichloroethane	6.19	62	84802	21.412	ug/l	99
43) Isopropyl Acetate	6.44	43	129849	19.666	ug/l	99
44) Trichloroethene	7.21	130	65923	19.440	ug/l	98
45) 1,2-Dichloropropane	7.51	63	55505	19.470	ug/l	96
46) Dibromomethane	7.66	93	40248	19.428	ug/l	97
47) Bromodichloromethane	7.90	83	72503	19.061	ug/l	97
48) Methyl methacrylate	7.77	41	61250	18.732	ug/l	96
49) 1,4-Dioxane	7.73	88	35700	410.489	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	404829	93.671	ug/l	99
52) Toluene	8.78	92	136512	18.745	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70819	17.939	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	77574	17.956	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	58351	18.842	ug/l	97
56) Ethyl methacrylate	9.18	69	85263	18.942	ug/l	96
57) 1,3-Dichloropropane	9.37	76	93112	18.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	219427	97.837	ug/l	99
59) 2-Hexanone	9.49	43	313555	94.082	ug/l	99
60) Dibromochloromethane	9.58	129	61333	19.008	ug/l	97
61) 1,2-Dibromoethane	9.67	107	63254	19.138	ug/l	98
64) Tetrachloroethene	9.34	164	60487	18.998	ug/l	96
65) Chlorobenzene	10.13	112	163752	19.785	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	62402	20.172	ug/l	99
67) Ethyl Benzene	10.25	91	276061	19.986	ug/l	97
68) m/p-Xylenes	10.36	106	210335	39.670	ug/l	96
69) o-Xylene	10.69	106	105385	20.291	ug/l	100
70) Styrene	10.71	104	174632	19.974	ug/l	97
71) Bromoform	10.85	173	49430	18.652	ug/l #	100
73) Isopropylbenzene	11.02	105	289835	20.480	ug/l	100
74) N-amyl acetate	10.90	43	109291	18.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	95461	19.609	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	82817m	20.025	ug/l	
77) Bromobenzene	11.25	156	83799	19.903	ug/l	99
78) n-propylbenzene	11.36	91	311891	20.438	ug/l	100
79) 2-Chlorotoluene	11.42	91	191356	20.421	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	245382	20.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22977	18.186	ug/l	94
82) 4-Chlorotoluene	11.51	91	217742	20.029	ug/l	99
83) tert-Butylbenzene	11.77	119	245269	20.257	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	245798	20.595	ug/l	100
85) sec-Butylbenzene	11.94	105	278111	20.359	ug/l	100
86) p-Isopropyltoluene	12.06	119	261794	20.371	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	142084	19.632	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	142239	19.391	ug/l	98
89) n-Butylbenzene	12.38	91	207237	19.614	ug/l	99
90) Hexachloroethane	12.59	117	39134	19.283	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	145584	20.039	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21010	18.864	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	101191	18.694	ug/l	99
94) Hexachlorobutadiene	13.78	225	54115	18.359	ug/l	98
95) Naphthalene	13.83	128	306558	20.033	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107199	19.634	ug/l	99

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

