

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011809.D
 Acq On : 23 Aug 2019 19:35
 Operator : JC/SP
 Sample : VX0823WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:13 AM

Quant Time: Aug 26 03:43:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	422318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	571078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	523176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	279664	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	170654	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	
35) Dibromofluoromethane	5.49	113	160766	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
50) Toluene-d8	8.71	98	592261	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	11.13	95	217760	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	66864	16.964	ug/l	99
3) Chloromethane	1.32	50	63433	18.352	ug/l	99
4) Vinyl Chloride	1.40	62	65175	18.862	ug/l	96
5) Bromomethane	1.64	94	38257	20.098	ug/l	98
6) Chloroethane	1.71	64	37262	18.444	ug/l	99
7) Trichlorofluoromethane	1.92	101	98597	17.923	ug/l	97
8) Diethyl Ether	2.18	74	35000	18.711	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58015	17.042	ug/l	97
10) Methyl Iodide	2.50	142	78975	18.994	ug/l	99
11) Tert butyl alcohol	3.03	59	72007	85.894	ug/l	97
12) 1,1-Dichloroethene	2.37	96	58905	17.746	ug/l	97
13) Acrolein	2.29	56	27967	86.302	ug/l	97
14) Allyl chloride	2.72	41	90670	17.477	ug/l	100
15) Acrylonitrile	3.13	53	173955	90.721	ug/l	99
16) Acetone	2.43	43	147059	79.686	ug/l	99
17) Carbon Disulfide	2.56	76	135478	16.143	ug/l	99
18) Methyl Acetate	2.76	43	99205	19.811	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	188951	17.746	ug/l	100
20) Methylene Chloride	2.85	84	65197	17.280	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	62578	17.478	ug/l	95
22) Diisopropyl ether	3.85	45	179896	17.881	ug/l	98
23) Vinyl Acetate	3.81	43	706340	84.798	ug/l	99
24) 1,1-Dichloroethane	3.69	63	103070	17.352	ug/l	98
25) 2-Butanone	4.67	43	227410	85.849	ug/l	97
26) 2,2-Dichloropropane	4.57	77	63841	12.656	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	72125	17.566	ug/l	93
28) Bromochloromethane	5.01	49	45470	16.864	ug/l	92
29) Tetrahydrofuran	5.12	42	151611	89.286	ug/l	98
30) Chloroform	5.20	83	108634	16.857	ug/l	98
31) Cyclohexane	5.57	56	91987	17.633	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	95440	17.037	ug/l	100
36) 1,1-Dichloropropene	5.79	75	76951	17.183	ug/l	95
37) Ethyl Acetate	4.83	43	82622	17.434	ug/l #	96
38) Carbon Tetrachloride	5.77	117	79815	15.726	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94605	17.048	ug/l	95
40) Benzene	6.13	78	243377	17.568	ug/l	97
41) Methacrylonitrile	5.04	41	47307	17.164	ug/l	98
42) 1,2-Dichloroethane	6.19	62	80118	15.821	ug/l	95
43) Isopropyl Acetate	6.44	43	126744	16.524	ug/l	98
44) Trichloroethene	7.21	130	75532	17.687	ug/l	95
45) 1,2-Dichloropropane	7.51	63	58414	16.776	ug/l	99
46) Dibromomethane	7.66	93	44080	17.170	ug/l	96
47) Bromodichloromethane	7.90	83	77209	16.707	ug/l	96
48) Methyl methacrylate	7.76	41	66205	17.343	ug/l	97
49) 1,4-Dioxane	7.74	88	36118	341.491	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	437418	86.545	ug/l	98
52) Toluene	8.78	92	158779	17.711	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	76087	15.684	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	87243	16.484	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	66308	17.753	ug/l	97
56) Ethyl methacrylate	9.18	69	93779	17.655	ug/l	97
57) 1,3-Dichloropropane	9.37	76	103640	17.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	261749	93.677	ug/l	98
59) 2-Hexanone	9.49	43	337828	87.086	ug/l	98
60) Dibromochloromethane	9.58	129	67168	16.633	ug/l	98
61) 1,2-Dibromoethane	9.67	107	71941	17.951	ug/l	100
64) Tetrachloroethene	9.34	164	76796	18.400	ug/l	97
65) Chlorobenzene	10.13	112	183969	18.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	66526	17.384	ug/l	100
67) Ethyl Benzene	10.25	91	297339	17.420	ug/l	98
68) m/p-Xylenes	10.35	106	237827	36.135	ug/l	98
69) o-Xylene	10.69	106	115513	17.876	ug/l	95
70) Styrene	10.71	104	194174	17.963	ug/l	98
71) Bromoform	10.85	173	55634	16.852	ug/l #	96
73) Isopropylbenzene	11.02	105	310234	18.408	ug/l	99
74) N-amyl acetate	10.90	43	112261	17.205	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	96990	17.386	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	83386m	16.992	ug/l	
77) Bromobenzene	11.26	156	92041	18.525	ug/l	95
78) n-propylbenzene	11.36	91	323187	17.934	ug/l	99
79) 2-Chlorotoluene	11.42	91	201199	17.946	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	258109	18.355	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	24256	14.907	ug/l	96
82) 4-Chlorotoluene	11.51	91	228242	17.661	ug/l	98
83) tert-Butylbenzene	11.77	119	257034	18.527	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	261810	18.437	ug/l	99
85) sec-Butylbenzene	11.94	105	292197	18.412	ug/l	98
86) p-Isopropyltoluene	12.06	119	279492	18.304	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	155775	18.206	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	154740	17.876	ug/l	99
89) n-Butylbenzene	12.38	91	212820	16.837	ug/l	99
90) Hexachloroethane	12.59	117	40480	17.064	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	156271	18.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	20887	16.108	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112568	17.733	ug/l	98
94) Hexachlorobutadiene	13.78	225	58901	16.933	ug/l	99
95) Naphthalene	13.83	128	331305	18.950	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117196	18.387	ug/l	99

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

