

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012984.D
 Acq On : 10 Oct 2019 10:41
 Operator : JC/SP
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:04:53 PM

Quant Time: Oct 11 05:07:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	269537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111251	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	5.48	113	87604	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	8.71	98	335934	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.13	95	130585	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38925	20.920	ug/l	96
3) Chloromethane	1.32	50	41240	20.366	ug/l	98
4) Vinyl Chloride	1.40	62	40777	19.510	ug/l	98
5) Bromomethane	1.63	94	20570	23.676	ug/l	99
6) Chloroethane	1.72	64	25804	20.431	ug/l	98
7) Trichlorofluoromethane	1.92	101	58207	20.634	ug/l	99
8) Diethyl Ether	2.18	74	22875	20.089	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	38415	21.041	ug/l	98
10) Methyl Iodide	2.50	142	32470	19.185	ug/l	98
11) Tert butyl alcohol	3.03	59	51978	85.942	ug/l	99
12) 1,1-Dichloroethene	2.36	96	37215	20.175	ug/l	96
13) Acrolein	2.28	56	30730	71.497	ug/l	99
14) Allyl chloride	2.72	41	64679	19.689	ug/l	100
15) Acrylonitrile	3.13	53	112939	98.538	ug/l	100
16) Acetone	2.43	43	125061	103.995	ug/l	99
17) Carbon Disulfide	2.56	76	96429	18.333	ug/l	100
18) Methyl Acetate	2.76	43	54484	19.114	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	131549	20.651	ug/l	97
20) Methylene Chloride	2.85	84	43345	19.612	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	39620	20.039	ug/l	99
22) Diisopropyl ether	3.84	45	128836	20.467	ug/l	94
23) Vinyl Acetate	3.80	43	554056	101.959	ug/l	99
24) 1,1-Dichloroethane	3.69	63	71830	20.284	ug/l	99
25) 2-Butanone	4.65	43	164171	98.400	ug/l	96
26) 2,2-Dichloropropane	4.57	77	61301	20.585	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	44464	19.510	ug/l	97
28) Bromochloromethane	5.00	49	21400	19.952	ug/l	99
29) Tetrahydrofuran	5.11	42	99581	96.993	ug/l	99
30) Chloroform	5.20	83	73322	20.179	ug/l	98
31) Cyclohexane	5.57	56	67418	20.360	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	61932	20.116	ug/l	99
36) 1,1-Dichloropropene	5.79	75	53823	20.441	ug/l	98
37) Ethyl Acetate	4.81	43	57678	19.589	ug/l	100
38) Carbon Tetrachloride	5.78	117	52607	20.526	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	69633	21.806	ug/l	99
40) Benzene	6.13	78	164350	21.133	ug/l	98
41) Methacrylonitrile	5.03	41	32567	20.129	ug/l	99
42) 1,2-Dichloroethane	6.18	62	59214	21.219	ug/l	99
43) Isopropyl Acetate	6.43	43	97360	20.602	ug/l	99
44) Trichloroethene	7.20	130	43547	20.193	ug/l	96
45) 1,2-Dichloropropane	7.50	63	42128	21.254	ug/l	100
46) Dibromomethane	7.65	93	28234	21.380	ug/l	97
47) Bromodichloromethane	7.89	83	53298	20.681	ug/l	96
48) Methyl methacrylate	7.76	41	46328	20.117	ug/l	99
49) 1,4-Dioxane	7.73	88	22222	382.044	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	301396	102.292	ug/l	100
52) Toluene	8.78	92	106365	21.378	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	58354	19.526	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	65698	20.727	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	40612	20.626	ug/l	95
56) Ethyl methacrylate	9.17	69	66428	19.982	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71446	20.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	140773	97.322	ug/l	99
59) 2-Hexanone	9.48	43	233009	101.591	ug/l	100
60) Dibromochloromethane	9.57	129	39519	19.223	ug/l	98
61) 1,2-Dibromoethane	9.67	107	42989	20.755	ug/l	99
64) Tetrachloroethene	9.33	164	41704	22.307	ug/l	96
65) Chlorobenzene	10.14	112	110492	20.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	37676	20.301	ug/l	98
67) Ethyl Benzene	10.25	91	199799	21.014	ug/l	98
68) m/p-Xylenes	10.35	106	152301	42.879	ug/l	98
69) o-Xylene	10.70	106	71961	20.775	ug/l	98
70) Styrene	10.71	104	123905	21.042	ug/l	99
71) Bromoform	10.85	173	25459	18.227	ug/l #	97
73) Isopropylbenzene	11.01	105	198116	21.183	ug/l	100
74) N-amyl acetate	10.89	43	79579	19.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61439	19.751	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	53281m	18.884	ug/l	
77) Bromobenzene	11.25	156	45572	20.678	ug/l	95
78) n-propylbenzene	11.35	91	220091	21.386	ug/l	98
79) 2-Chlorotoluene	11.42	91	134479	20.792	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	164357	21.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18040	19.183	ug/l	94
82) 4-Chlorotoluene	11.51	91	159050	21.455	ug/l	99
83) tert-Butylbenzene	11.76	119	153228	20.114	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	167306	21.154	ug/l	98
85) sec-Butylbenzene	11.94	105	192188	21.776	ug/l	97
86) p-Isopropyltoluene	12.06	119	173668	21.217	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	81943	20.022	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	83077	20.043	ug/l	100
89) n-Butylbenzene	12.39	91	149629	21.750	ug/l	99
90) Hexachloroethane	12.59	117	27105	19.240	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	79626	19.846	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13626	18.689	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	50389	20.048	ug/l	99
94) Hexachlorobutadiene	13.78	225	23289	20.078	ug/l	99
95) Naphthalene	13.83	128	172949	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	52954	20.388	ug/l	97

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

