

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009322.D
 Acq On : 03 May 2019 20:10
 Operator : JC/SP
 Sample : VX0503WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:26:30 AM

Quant Time: May 04 00:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117647	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.49	113	86533	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.71	98	348607	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	124815	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29060	18.386	ug/l	97
3) Chloromethane	1.32	50	40492	18.765	ug/l	99
4) Vinyl Chloride	1.40	62	40406	19.203	ug/l	98
5) Bromomethane	1.64	94	22171	17.555	ug/l	99
6) Chloroethane	1.72	64	26553	19.655	ug/l	99
7) Trichlorofluoromethane	1.93	101	49840	19.486	ug/l	100
8) Diethyl Ether	2.19	74	23629	19.503	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30951	19.270	ug/l	99
10) Methyl Iodide	2.51	142	27097	17.780	ug/l	100
11) Tert butyl alcohol	3.04	59	53936	99.518	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30818	19.150	ug/l	96
13) Acrolein	2.29	56	37352	76.100	ug/l	100
14) Allyl chloride	2.73	41	72606	18.513	ug/l	98
15) Acrylonitrile	3.14	53	131681	99.370	ug/l	99
16) Acetone	2.44	43	115804	92.110	ug/l	99
17) Carbon Disulfide	2.57	76	78862	17.454	ug/l	99
18) Methyl Acetate	2.77	43	60031	20.078	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	122909	19.668	ug/l	100
20) Methylene Chloride	2.85	84	37892	18.614	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32698	18.735	ug/l	96
22) Diisopropyl ether	3.85	45	150792	19.993	ug/l	96
23) Vinyl Acetate	3.81	43	650647	100.743	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72040	19.362	ug/l	99
25) 2-Butanone	4.67	43	194393	99.500	ug/l	99
26) 2,2-Dichloropropane	4.59	77	46772	16.889	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40359	19.373	ug/l	98
28) Bromochloromethane	5.01	49	32470	20.037	ug/l	100
29) Tetrahydrofuran	5.13	42	128171	101.950	ug/l	100
30) Chloroform	5.21	83	65147	19.359	ug/l	98
31) Cyclohexane	5.58	56	65227	18.843	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	53084	18.950	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48808	18.973	ug/l	99
37) Ethyl Acetate	4.84	43	72734	20.292	ug/l	99
38) Carbon Tetrachloride	5.78	117	44365	18.981	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57660	18.251	ug/l	99
40) Benzene	6.14	78	153794	19.317	ug/l	97
41) Methacrylonitrile	5.04	41	42310	19.830	ug/l	99
42) 1,2-Dichloroethane	6.19	62	56093	19.641	ug/l	99
43) Isopropyl Acetate	6.44	43	112595	19.639	ug/l	99
44) Trichloroethene	7.21	130	35786	18.593	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45133	20.020	ug/l	93
46) Dibromomethane	7.66	93	24715	18.879	ug/l	98
47) Bromodichloromethane	7.90	83	49670	19.020	ug/l	97
48) Methyl methacrylate	7.77	41	57230	20.120	ug/l	99
49) 1,4-Dioxane	7.74	88	23290	403.745	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	378646	101.042	ug/l	99
52) Toluene	8.79	92	92472	19.107	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54149	18.366	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61620	18.883	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38918	19.711	ug/l	96
56) Ethyl methacrylate	9.18	69	68605	19.465	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68173	19.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	181117	96.868	ug/l	99
59) 2-Hexanone	9.49	43	292655	99.435	ug/l	99
60) Dibromochloromethane	9.58	129	36139	18.740	ug/l	97
61) 1,2-Dibromoethane	9.67	107	39140	19.638	ug/l	100
64) Tetrachloroethene	9.34	164	33550	19.694	ug/l	98
65) Chlorobenzene	10.14	112	96477	19.420	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34998	19.431	ug/l	99
67) Ethyl Benzene	10.25	91	173569	18.984	ug/l	100
68) m/p-Xylenes	10.36	106	127704	38.221	ug/l	98
69) o-Xylene	10.70	106	63055	19.127	ug/l	100
70) Styrene	10.71	104	110147	19.224	ug/l	99
71) Bromoform	10.85	173	27511	18.796	ug/l #	99
73) Isopropylbenzene	11.02	105	169131	19.624	ug/l	100
74) N-amyl acetate	10.90	43	99662	19.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	63833	19.868	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55632m	20.235	ug/l	
77) Bromobenzene	11.26	156	41581	19.438	ug/l	99
78) n-propylbenzene	11.36	91	189502	19.252	ug/l	99
79) 2-Chlorotoluene	11.42	91	116657	19.210	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	142805	19.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18830	17.524	ug/l	92
82) 4-Chlorotoluene	11.51	91	130845	19.073	ug/l	100
83) tert-Butylbenzene	11.77	119	135338	19.171	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143307	19.674	ug/l	99
85) sec-Butylbenzene	11.94	105	162414	19.405	ug/l	100
86) p-Isopropyltoluene	12.06	119	146222	19.433	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73455	19.262	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72416	18.835	ug/l	97
89) n-Butylbenzene	12.38	91	128230	18.855	ug/l	99
90) Hexachloroethane	12.60	117	24049	18.761	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	74347	19.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15101	20.952	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	50936	19.177	ug/l	100
94) Hexachlorobutadiene	13.78	225	25302	18.654	ug/l	99
95) Naphthalene	13.83	128	176032	20.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52383	19.455	ug/l	97

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

