

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009521.D
 Acq On : 11 May 2019 13:34
 Operator : JC/SP
 Sample : VX0511WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 4:27:10 PM

Quant Time: May 12 02:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114124	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	84663	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	8.71	98	339227	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	122579	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28979	18.812	ug/l	100
3) Chloromethane	1.32	50	44383	21.103	ug/l	99
4) Vinyl Chloride	1.41	62	43218	21.073	ug/l	99
5) Bromomethane	1.64	94	27805	22.588	ug/l	98
6) Chloroethane	1.72	64	27880	21.174	ug/l	99
7) Trichlorofluoromethane	1.93	101	53808	21.584	ug/l	99
8) Diethyl Ether	2.19	74	24769	20.976	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33007	21.084	ug/l	99
10) Methyl Iodide	2.51	142	35877	22.506	ug/l	99
11) Tert butyl alcohol	3.04	59	55823	105.678	ug/l	97
12) 1,1-Dichloroethene	2.37	96	33364	21.271	ug/l	99
13) Acrolein	2.29	56	42685	89.227	ug/l	98
14) Allyl chloride	2.73	41	78548	20.549	ug/l	98
15) Acrylonitrile	3.14	53	134949	104.484	ug/l	99
16) Acetone	2.44	43	123568	100.842	ug/l	98
17) Carbon Disulfide	2.57	76	91542	20.787	ug/l	97
18) Methyl Acetate	2.77	43	57669	19.789	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	129642	21.284	ug/l	100
20) Methylene Chloride	2.85	84	41374	20.853	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36249	21.310	ug/l	97
22) Diisopropyl ether	3.85	45	156909	21.345	ug/l	98
23) Vinyl Acetate	3.81	43	694317	110.300	ug/l	99
24) 1,1-Dichloroethane	3.70	63	76068	20.976	ug/l	99
25) 2-Butanone	4.67	43	201666	105.907	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53325	19.755	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42477	20.920	ug/l	99
28) Bromochloromethane	5.01	49	31411	19.866	ug/l	99
29) Tetrahydrofuran	5.13	42	132585	108.203	ug/l	100
30) Chloroform	5.21	83	70299	21.434	ug/l	100
31) Cyclohexane	5.58	56	72563	21.507	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	57387	21.018	ug/l	99
36) 1,1-Dichloropropene	5.80	75	52266	21.128	ug/l	99
37) Ethyl Acetate	4.84	43	74539	21.626	ug/l	99
38) Carbon Tetrachloride	5.79	117	48022	21.366	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65275	21.486	ug/l	98
40) Benzene	6.14	78	165035	21.556	ug/l	96
41) Methacrylonitrile	5.04	41	42826	20.873	ug/l	97
42) 1,2-Dichloroethane	6.20	62	59823	21.783	ug/l	100
43) Isopropyl Acetate	6.45	43	117459	21.305	ug/l	99
44) Trichloroethene	7.21	130	38841	20.986	ug/l	94
45) 1,2-Dichloropropane	7.51	63	46287	21.351	ug/l	97
46) Dibromomethane	7.66	93	27262	21.656	ug/l	98
47) Bromodichloromethane	7.90	83	52986	21.100	ug/l	95
48) Methyl methacrylate	7.77	41	59657	21.810	ug/l	98
49) 1,4-Dioxane	7.74	88	24181	435.926	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	393426	109.177	ug/l	99
52) Toluene	8.78	92	100417	21.577	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59209	20.884	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	66665	21.244	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	40324	21.238	ug/l	96
56) Ethyl methacrylate	9.18	69	72447	21.376	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71438	21.381	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	176066	97.926	ug/l	100
59) 2-Hexanone	9.49	43	305169	107.826	ug/l	99
60) Dibromochloromethane	9.58	129	38966	21.013	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41899	21.862	ug/l	98
64) Tetrachloroethene	9.34	164	35849	21.755	ug/l	96
65) Chlorobenzene	10.13	112	103258	21.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	37125	21.309	ug/l	99
67) Ethyl Benzene	10.25	91	191520	21.655	ug/l	100
68) m/p-Xylenes	10.36	106	138869	42.967	ug/l	98
69) o-Xylene	10.69	106	69040	21.651	ug/l	99
70) Styrene	10.71	104	118642	21.406	ug/l	99
71) Bromoform	10.85	173	29111	20.561	ug/l #	98
73) Isopropylbenzene	11.02	105	182028	21.437	ug/l	99
74) N-amyl acetate	10.90	43	104491	21.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	67024	21.173	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58838m	21.722	ug/l	
77) Bromobenzene	11.25	156	45046	21.373	ug/l	99
78) n-propylbenzene	11.36	91	208042	21.453	ug/l	100
79) 2-Chlorotoluene	11.42	91	126796	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155231	21.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21492	20.302	ug/l	94
82) 4-Chlorotoluene	11.51	91	143285	21.199	ug/l	100
83) tert-Butylbenzene	11.77	119	148371	21.332	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155231	21.630	ug/l	100
85) sec-Butylbenzene	11.94	105	174164	21.121	ug/l	99
86) p-Isopropyltoluene	12.06	119	159582	21.527	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	79516	21.164	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80184	21.168	ug/l	100
89) n-Butylbenzene	12.38	91	139486	20.818	ug/l	100
90) Hexachloroethane	12.59	117	25402	20.113	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	80079	20.925	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14652	20.633	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55363	21.156	ug/l	100
94) Hexachlorobutadiene	13.78	225	28718	21.490	ug/l	99
95) Naphthalene	13.83	128	181515	21.319	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	57085	21.520	ug/l	99

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

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