

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009574.D
 Acq On : 15 May 2019 12:54
 Operator : JC/SP
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:39 PM

Quant Time: May 16 01:36:13 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	5.66	168	149763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	239244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98227	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	72372	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	286611	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.13	95	103976	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24416	17.692	ug/l	95
3) Chloromethane	1.32	50	38506	20.436	ug/l	99
4) Vinyl Chloride	1.41	62	37383	20.347	ug/l	98
5) Bromomethane	1.64	94	24003	21.766	ug/l	98
6) Chloroethane	1.72	64	24310	20.608	ug/l	98
7) Trichlorofluoromethane	1.93	101	47355	21.204	ug/l	99
8) Diethyl Ether	2.18	74	22629	21.391	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29541	21.064	ug/l	99
10) Methyl Iodide	2.51	142	33004	22.987	ug/l	98
11) Tert butyl alcohol	3.04	59	48403	102.280	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29871	21.257	ug/l	95
13) Acrolein	2.29	56	37589	87.706	ug/l	99
14) Allyl chloride	2.73	41	69441	20.278	ug/l	97
15) Acrylonitrile	3.14	53	121531	105.030	ug/l	100
16) Acetone	2.44	43	112576	102.548	ug/l	98
17) Carbon Disulfide	2.57	76	76884	19.488	ug/l	98
18) Methyl Acetate	2.77	43	53380	20.446	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	116272	21.308	ug/l	100
20) Methylene Chloride	2.85	84	36802	20.705	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32327	21.213	ug/l	98
22) Diisopropyl ether	3.85	45	143434	21.780	ug/l	99
23) Vinyl Acetate	3.81	43	619815	109.907	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67921	20.906	ug/l	100
25) 2-Butanone	4.67	43	181171	106.201	ug/l	99
26) 2,2-Dichloropropane	4.58	77	50737	20.981	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38055	20.921	ug/l	98
28) Bromochloromethane	5.02	49	24339	16.790	ug/l	98
29) Tetrahydrofuran	5.13	42	118716	108.144	ug/l	99
30) Chloroform	5.21	83	62638	21.317	ug/l	100
31) Cyclohexane	5.58	56	64773	21.430	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	51626	21.106	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46157	20.760	ug/l	98
37) Ethyl Acetate	4.83	43	67508	21.793	ug/l	99
38) Carbon Tetrachloride	5.79	117	41893	20.739	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57817	21.175	ug/l	99
40) Benzene	6.14	78	148019	21.512	ug/l	99
41) Methacrylonitrile	5.04	41	38391	20.819	ug/l	99
42) 1,2-Dichloroethane	6.19	62	54939	22.258	ug/l	99
43) Isopropyl Acetate	6.45	43	106384	21.470	ug/l	100
44) Trichloroethene	7.21	130	34668	20.841	ug/l	97
45) 1,2-Dichloropropane	7.51	63	42821	21.978	ug/l	98
46) Dibromomethane	7.66	93	24216	21.403	ug/l	99
47) Bromodichloromethane	7.90	83	46244	20.490	ug/l	98
48) Methyl methacrylate	7.77	41	53381	21.715	ug/l	99
49) 1,4-Dioxane	7.74	88	20363	408.452	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	349280	107.846	ug/l	99
52) Toluene	8.78	92	90638	21.670	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52914	20.766	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	59381	21.055	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	36867	21.605	ug/l	98
56) Ethyl methacrylate	9.18	69	64854	21.291	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64061	21.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	151611	93.824	ug/l	99
59) 2-Hexanone	9.49	43	269444	105.929	ug/l	99
60) Dibromochloromethane	9.58	129	34437	20.663	ug/l	98
61) 1,2-Dibromoethane	9.67	107	36913	21.430	ug/l	100
64) Tetrachloroethene	9.34	164	32676	22.261	ug/l	97
65) Chlorobenzene	10.13	112	93521	21.847	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33588	21.642	ug/l	99
67) Ethyl Benzene	10.25	91	171586	21.780	ug/l	99
68) m/p-Xylenes	10.36	106	126282	43.864	ug/l	99
69) o-Xylene	10.69	106	61452	21.634	ug/l	99
70) Styrene	10.71	104	107866	21.848	ug/l	100
71) Bromoform	10.85	173	25457	20.185	ug/l #	98
73) Isopropylbenzene	11.02	105	163974	21.527	ug/l	99
74) N-amyl acetate	10.90	43	93296	21.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59717	21.030	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	52346m	21.544	ug/l	
77) Bromobenzene	11.26	156	41202	21.793	ug/l	98
78) n-propylbenzene	11.36	91	188978	21.724	ug/l	99
79) 2-Chlorotoluene	11.42	91	113159	21.084	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	139187	21.702	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18503	19.484	ug/l	92
82) 4-Chlorotoluene	11.51	91	130050	21.449	ug/l	99
83) tert-Butylbenzene	11.77	119	133303	21.366	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	141379	21.961	ug/l	100
85) sec-Butylbenzene	11.94	105	159228	21.526	ug/l	100
86) p-Isopropyltoluene	12.06	119	146239	21.991	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71697	21.273	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72331	21.287	ug/l	99
89) n-Butylbenzene	12.38	91	131455	21.871	ug/l	99
90) Hexachloroethane	12.60	117	22525	19.882	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	73193	21.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13357	20.969	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	51720	22.032	ug/l	98
94) Hexachlorobutadiene	13.78	225	25945	21.643	ug/l	99
95) Naphthalene	13.83	128	172704	22.613	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	53948	22.671	ug/l	99

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

