

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009772.D
 Acq On : 22 May 2019 01:54
 Operator : JC/SP
 Sample : VX0521WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:37:31 AM

Quant Time: May 22 08:39:07 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	152534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114318	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
35) Dibromofluoromethane	5.49	113	79451	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.71	98	332727	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.13	95	118179	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	25609	18.219	ug/l	98
3) Chloromethane	1.32	50	40198	20.947	ug/l	98
4) Vinyl Chloride	1.41	62	37993	20.303	ug/l	100
5) Bromomethane	1.64	94	23954	21.327	ug/l	95
6) Chloroethane	1.72	64	25456	21.188	ug/l	95
7) Trichlorofluoromethane	1.93	101	46032	20.237	ug/l	97
8) Diethyl Ether	2.19	74	21363	19.827	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27338	19.139	ug/l	98
10) Methyl Iodide	2.51	142	21863	16.557	ug/l	98
11) Tert butyl alcohol	3.05	59	48427	100.472	ug/l	100
12) 1,1-Dichloroethene	2.37	96	28204	19.706	ug/l	99
13) Acrolein	2.29	56	35025	80.239	ug/l	99
14) Allyl chloride	2.73	41	67387	19.320	ug/l	99
15) Acrylonitrile	3.14	53	118550	100.593	ug/l	99
16) Acetone	2.44	43	105002	93.911	ug/l	95
17) Carbon Disulfide	2.57	76	83129	20.688	ug/l	99
18) Methyl Acetate	2.78	43	51058	19.202	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	108236	19.475	ug/l	95
20) Methylene Chloride	2.85	84	34442	19.025	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	30076	19.377	ug/l	97
22) Diisopropyl ether	3.85	45	135063	20.136	ug/l	95
23) Vinyl Acetate	3.82	43	598305	104.166	ug/l	98
24) 1,1-Dichloroethane	3.70	63	65439	19.777	ug/l	99
25) 2-Butanone	4.67	43	176643	101.666	ug/l	98
26) 2,2-Dichloropropane	4.59	77	35527	14.425	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36089	19.479	ug/l	98
28) Bromochloromethane	5.01	49	32200	22.676	ug/l	95
29) Tetrahydrofuran	5.13	42	117960	105.503	ug/l	98
30) Chloroform	5.21	83	59427	19.857	ug/l	99
31) Cyclohexane	5.58	56	61648	20.025	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	49395	19.827	ug/l	98
36) 1,1-Dichloropropene	5.81	75	44089	18.850	ug/l	98
37) Ethyl Acetate	4.83	43	67280	20.645	ug/l	99
38) Carbon Tetrachloride	5.79	117	40776	19.188	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	53678	18.687	ug/l	98
40) Benzene	6.15	78	140254	19.375	ug/l	100
41) Methacrylonitrile	5.05	41	37373	19.265	ug/l	99
42) 1,2-Dichloroethane	6.20	62	52092	20.061	ug/l	99
43) Isopropyl Acetate	6.45	43	105227	20.186	ug/l	98
44) Trichloroethene	7.21	130	32768	18.725	ug/l	95
45) 1,2-Dichloropropane	7.51	63	40086	19.557	ug/l	99
46) Dibromomethane	7.66	93	22878	19.221	ug/l	100
47) Bromodichloromethane	7.90	83	44456	18.724	ug/l	100
48) Methyl methacrylate	7.77	41	51886	20.063	ug/l	97
49) 1,4-Dioxane	7.74	88	20489	390.658	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	348094	102.165	ug/l	99
52) Toluene	8.78	92	86372	19.629	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	49147	18.334	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54306	18.303	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	34831	19.403	ug/l	97
56) Ethyl methacrylate	9.18	69	61927	19.325	ug/l	97
57) 1,3-Dichloropropane	9.37	76	60813	19.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	157718	92.777	ug/l	99
59) 2-Hexanone	9.49	43	269147	100.580	ug/l	98
60) Dibromochloromethane	9.58	129	32791	18.702	ug/l	99
61) 1,2-Dibromoethane	9.67	107	35521	19.602	ug/l	98
64) Tetrachloroethene	9.34	164	30628	19.488	ug/l	97
65) Chlorobenzene	10.14	112	87341	19.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30556	18.388	ug/l	100
67) Ethyl Benzene	10.25	91	162437	19.257	ug/l	100
68) m/p-Xylenes	10.36	106	118567	38.464	ug/l	98
69) o-Xylene	10.69	106	57485	18.901	ug/l	99
70) Styrene	10.71	104	100298	18.974	ug/l	99
71) Bromoform	10.85	173	24683	18.279	ug/l	100
73) Isopropylbenzene	11.02	105	152920	19.157	ug/l	99
74) N-amyl acetate	10.90	43	91766	19.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	57734	19.402	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50586m	19.867	ug/l	
77) Bromobenzene	11.26	156	37881	19.120	ug/l	98
78) n-propylbenzene	11.36	91	174098	19.098	ug/l	99
79) 2-Chlorotoluene	11.42	91	106168	18.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	128349	19.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16430	16.510	ug/l	92
82) 4-Chlorotoluene	11.51	91	121205	19.076	ug/l	99
83) tert-Butylbenzene	11.77	119	122330	18.710	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	128533	19.052	ug/l	99
85) sec-Butylbenzene	11.94	105	146965	18.959	ug/l	99
86) p-Isopropyltoluene	12.06	119	130917	18.786	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65551	18.559	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	66596	18.702	ug/l	99
89) n-Butylbenzene	12.38	91	113649	18.044	ug/l	99
90) Hexachloroethane	12.60	117	21438	18.057	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66783	18.564	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12876	19.289	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45557	18.519	ug/l	98
94) Hexachlorobutadiene	13.78	225	23012	18.318	ug/l	99
95) Naphthalene	13.83	128	147854	18.473	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	46663	18.713	ug/l	100

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

