

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009803.D
 Acq On : 22 May 2019 14:47
 Operator : JC/SP
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:44:03 AM

Quant Time: May 23 07:47:04 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	178112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113834	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	82049	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	8.71	98	333309	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.13	95	117973	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25446	15.503	ug/l	97
3) Chloromethane	1.32	50	39979	17.841	ug/l	99
4) Vinyl Chloride	1.41	62	37096	16.977	ug/l	99
5) Bromomethane	1.64	94	21806	16.626	ug/l	98
6) Chloroethane	1.72	64	23126	16.484	ug/l	96
7) Trichlorofluoromethane	1.93	101	44699	16.829	ug/l	100
8) Diethyl Ether	2.19	74	21067	16.744	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26862	16.105	ug/l	99
10) Methyl Iodide	2.51	142	29583	18.456	ug/l	99
11) Tert butyl alcohol	3.04	59	47944	85.185	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27909	16.700	ug/l	99
13) Acrolein	2.29	56	41936	82.275	ug/l	99
14) Allyl chloride	2.73	41	67650	16.610	ug/l	98
15) Acrylonitrile	3.14	53	115228	83.733	ug/l	99
16) Acetone	2.45	43	107119	82.047	ug/l	98
17) Carbon Disulfide	2.57	76	80151	17.082	ug/l	100
18) Methyl Acetate	2.78	43	52207	16.814	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107087	16.501	ug/l	100
20) Methylene Chloride	2.85	84	34826	16.475	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	30151	16.636	ug/l	99
22) Diisopropyl ether	3.85	45	134573	17.182	ug/l	95
23) Vinyl Acetate	3.81	43	596225	88.897	ug/l	99
24) 1,1-Dichloroethane	3.70	63	64126	16.597	ug/l	99
25) 2-Butanone	4.67	43	173459	85.496	ug/l	98
26) 2,2-Dichloropropane	4.59	77	43573	15.151	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	35363	16.347	ug/l	98
28) Bromochloromethane	5.02	49	34510	20.575	ug/l	97
29) Tetrahydrofuran	5.13	42	115721	88.638	ug/l	98
30) Chloroform	5.21	83	57581	16.477	ug/l	98
31) Cyclohexane	5.57	56	62047	17.260	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	47812	16.436	ug/l	99
36) 1,1-Dichloropropene	5.80	75	44362	16.762	ug/l	99
37) Ethyl Acetate	4.84	43	65656	17.805	ug/l	99
38) Carbon Tetrachloride	5.79	117	39447	16.404	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54614	16.803	ug/l	98
40) Benzene	6.14	78	138196	16.872	ug/l	98
41) Methacrylonitrile	5.04	41	36555	16.653	ug/l	100
42) 1,2-Dichloroethane	6.19	62	50350	17.136	ug/l	99
43) Isopropyl Acetate	6.45	43	101530	17.213	ug/l	99
44) Trichloroethene	7.21	130	32533	16.429	ug/l	95
45) 1,2-Dichloropropane	7.51	63	39329	16.957	ug/l	99
46) Dibromomethane	7.66	93	22285	16.546	ug/l	99
47) Bromodichloromethane	7.90	83	43740	16.281	ug/l	99
48) Methyl methacrylate	7.77	41	51470	17.588	ug/l	98
49) 1,4-Dioxane	7.74	88	20031	337.527	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	338119	87.701	ug/l	98
52) Toluene	8.79	92	83781	16.827	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	49639	16.365	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55095	16.410	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	33558	16.520	ug/l	98
56) Ethyl methacrylate	9.18	69	60378	16.651	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59959	16.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	163246	84.866	ug/l	98
59) 2-Hexanone	9.49	43	263987	87.183	ug/l	98
60) Dibromochloromethane	9.58	129	31967	16.113	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34134	16.647	ug/l	100
64) Tetrachloroethene	9.34	164	29149	16.408	ug/l	99
65) Chlorobenzene	10.14	112	85378	16.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30515	16.246	ug/l	99
67) Ethyl Benzene	10.25	91	158053	16.576	ug/l	100
68) m/p-Xylenes	10.36	106	115994	33.290	ug/l	98
69) o-Xylene	10.69	106	56579	16.458	ug/l	99
70) Styrene	10.71	104	98302	16.452	ug/l	99
71) Bromoform	10.85	173	24093	15.784	ug/l #	99
73) Isopropylbenzene	11.02	105	151845	16.715	ug/l	99
74) N-amyl acetate	10.90	43	91364	17.251	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	55717	16.453	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	48711m	16.810	ug/l	
77) Bromobenzene	11.26	156	37311	16.548	ug/l	99
78) n-propylbenzene	11.36	91	173189	16.694	ug/l	100
79) 2-Chlorotoluene	11.42	91	103311	16.141	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	127900	16.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	17376	15.343	ug/l	94
82) 4-Chlorotoluene	11.51	91	118741	16.422	ug/l	99
83) tert-Butylbenzene	11.77	119	121008	16.263	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129385	16.852	ug/l	99
85) sec-Butylbenzene	11.94	105	144787	16.413	ug/l	100
86) p-Isopropyltoluene	12.06	119	131771	16.616	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	65517	16.300	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	65783	16.233	ug/l	98
89) n-Butylbenzene	12.38	91	115868	16.165	ug/l	99
90) Hexachloroethane	12.60	117	21255	15.732	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	66135	16.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13357	17.583	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45474	16.243	ug/l	100
94) Hexachlorobutadiene	13.78	225	23689	16.570	ug/l	99
95) Naphthalene	13.83	128	149815	16.448	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47095	16.595	ug/l	99

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

