

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004442.D
 Acq On : 10 Sep 2018 12:08
 Operator : JC/MD
 Sample : VX0910WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 3:06:42 PM

Quant Time: Sep 11 01:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	398115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	174269	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	5.50	113	150124	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.71	98	550885	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	192460	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47440	14.79	ug/l	98
3) Chloromethane	1.32	50	59948	17.10	ug/l	96
4) Vinyl Chloride	1.40	62	62665	17.26	ug/l	100
5) Bromomethane	1.64	94	29025	14.80	ug/l	99
6) Chloroethane	1.72	64	44135	16.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	87944	17.68	ug/l	97
8) Diethyl Ether	2.18	74	43380	20.37	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	56473	18.13	ug/l	99
10) Methyl Iodide	2.51	142	46677	16.41	ug/l	97
11) Tert butyl alcohol	3.06	59	78764	102.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	52323	17.83	ug/l	99
13) Acrolein	2.29	56	21061	113.50	ug/l	98
14) Allyl chloride	2.73	41	109116	20.24	ug/l	96
15) Acrylonitrile	3.14	53	203892	106.97	ug/l	99
16) Acetone	2.44	43	158994	103.13	ug/l	98
17) Carbon Disulfide	2.57	76	126482	16.07	ug/l	99
18) Methyl Acetate	2.78	43	151015	28.18	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	204585	21.15	ug/l	98
20) Methylene Chloride	2.85	84	68706	19.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	59232	18.23	ug/l	99
22) Diisopropyl ether	3.86	45	210194	20.88	ug/l	92
23) Vinyl Acetate	3.82	43	817512	100.19	ug/l	100
24) 1,1-Dichloroethane	3.69	63	120927	20.61	ug/l	99
25) 2-Butanone	4.70	43	248271	100.92	ug/l	98
26) 2,2-Dichloropropane	4.58	77	88116	19.15	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	69985	19.00	ug/l	100
28) Bromochloromethane	5.01	49	55719	21.45	ug/l	97
29) Tetrahydrofuran	5.15	42	155741	100.39	ug/l	99
30) Chloroform	5.21	83	116997	19.89	ug/l	99
31) Cyclohexane	5.57	56	83824	16.56	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	91102	18.57	ug/l	99
36) 1,1-Dichloropropene	5.79	75	79872	17.85	ug/l	99
37) Ethyl Acetate	4.85	43	89272	20.28	ug/l	99
38) Carbon Tetrachloride	5.78	117	77267	18.35	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84686	16.57	ug/l	98
40) Benzene	6.14	78	261905	19.58	ug/l	99
41) Methacrylonitrile	5.05	41	53265	20.88	ug/l	98
42) 1,2-Dichloroethane	6.20	62	89130	19.54	ug/l	99
43) Isopropyl Acetate	6.46	43	138200	20.43	ug/l	99
44) Trichloroethene	7.21	130	70868	19.14	ug/l	99
45) 1,2-Dichloropropane	7.51	63	70295	21.00	ug/l	96
46) Dibromomethane	7.66	93	44077	19.78	ug/l	98
47) Bromodichloromethane	7.90	83	84948	20.48	ug/l	100
48) Methyl methacrylate	7.77	41	73309	20.26	ug/l	99
49) 1,4-Dioxane	7.75	88	34293	417.34	ug/l #	94
51) 4-Methyl-2-Pentanone	8.65	43	486088	98.91	ug/l	100
52) Toluene	8.79	92	166426	19.88	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92929	20.29	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	103645	20.77	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	72042	21.32	ug/l	98
56) Ethyl methacrylate	9.18	69	93999	20.43	ug/l	99
57) 1,3-Dichloropropane	9.37	76	119758	21.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	250048	106.08	ug/l	99
59) 2-Hexanone	9.49	43	369098	98.45	ug/l	99
60) Dibromochloromethane	9.59	129	67603	20.53	ug/l	100
61) 1,2-Dibromoethane	9.67	107	71403	20.42	ug/l	99
64) Tetrachloroethene	9.34	164	80773	21.11	ug/l	98
65) Chlorobenzene	10.14	112	188434	19.38	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	65633	19.57	ug/l	97
67) Ethyl Benzene	10.25	91	293162	18.57	ug/l	95
68) m/p-Xylenes	10.36	106	223041	36.13	ug/l	92
69) o-Xylene	10.70	106	107472	18.40	ug/l	99
70) Styrene	10.71	104	180823	19.12	ug/l	99
71) Bromoform	10.86	173	48898	18.09	ug/l	100
73) Isopropylbenzene	11.02	105	296185	18.89	ug/l	99
74) N-amyl acetate	10.90	43	110320	18.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	96357	17.56	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91036m	18.75	ug/l	
77) Bromobenzene	11.26	156	78243	17.79	ug/l	95
78) n-propylbenzene	11.36	91	332379	18.43	ug/l	98
79) 2-Chlorotoluene	11.42	91	197585	17.80	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	244329	18.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	26191	17.51	ug/l	96
82) 4-Chlorotoluene	11.51	91	245572	18.81	ug/l	96
83) tert-Butylbenzene	11.77	119	230623	17.66	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	260166	19.52	ug/l	99
85) sec-Butylbenzene	11.94	105	307459	19.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	269433	19.39	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	159105	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165032	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	226387	20.03	ug/l	99
90) Hexachloroethane	12.60	117	37628	19.37	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	157823	20.86	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19521	20.20	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	104180	18.92	ug/l	98
94) Hexachlorobutadiene	13.79	225	47869	18.60	ug/l	96
95) Naphthalene	13.83	128	299163	19.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	112508	19.30	ug/l	99

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

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