

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003463.D
 Acq On : 19 Jul 2018 13:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:07 PM

Quant Time: Jul 19 15:22:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	454243	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	20654	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
35) Dibromofluoromethane	5.50	113	17894	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	8.72	98	68007	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	11.14	95	23805	4.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	16290	4.86	ug/l	97
3) Chloromethane	1.32	50	18733	4.70	ug/l	98
4) Vinyl Chloride	1.41	62	21076	5.10	ug/l	93
5) Bromomethane	1.64	94	10118	4.05	ug/l	99
6) Chloroethane	1.71	64	13232	4.85	ug/l	97
7) Trichlorofluoromethane	1.93	101	27771	4.13	ug/l	95
8) Diethyl Ether	2.19	74	12093	4.73	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18442	4.91	ug/l	96
10) Methyl Iodide	2.51	142	20133	4.35	ug/l	94
11) Tert butyl alcohol	3.07	59	20251	20.42	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16411	4.65	ug/l	97
13) Acrolein	2.29	56	8379	16.66	ug/l	97
14) Allyl chloride	2.73	41	29435	4.20	ug/l	87
15) Acrylonitrile	3.15	53	48699	22.51	ug/l	98
16) Acetone	2.45	43	36034	17.03	ug/l #	85
17) Carbon Disulfide	2.57	76	47532	5.68	ug/l #	94
18) Methyl Acetate	2.78	43	21921	3.89	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	55413	4.19	ug/l	99
20) Methylene Chloride	2.85	84	19744	4.55	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	18495	4.83	ug/l	90
22) Diisopropyl ether	3.87	45	56798	4.48	ug/l	96
23) Vinyl Acetate	3.82	43	231854	21.86	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	33240	4.83	ug/l	98
25) 2-Butanone	4.71	43	60091	21.62	ug/l	91
26) 2,2-Dichloropropane	4.57	77	24145	4.89	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	20276	5.21	ug/l #	1
28) Bromochloromethane	5.01	49	14615	4.54	ug/l	85
29) Tetrahydrofuran	5.17	42	39640	21.76	ug/l	92
30) Chloroform	5.21	83	31764	4.79	ug/l	97
31) Cyclohexane	5.57	56	27643	4.88	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	26304	4.74	ug/l	95
36) 1,1-Dichloropropene	5.79	75	24303	5.04	ug/l	97
37) Ethyl Acetate	4.86	43	24268	4.44	ug/l #	89
38) Carbon Tetrachloride	5.79	117	22755	4.74	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27411	4.86	ug/l	97
40) Benzene	6.15	78	74435	5.15	ug/l	98
41) Methacrylonitrile	5.06	41	13315	4.32	ug/l	93
42) 1,2-Dichloroethane	6.20	62	23955	4.28	ug/l	93
43) Isopropyl Acetate	6.47	43	36281	4.01	ug/l #	93
44) Trichloroethene	7.21	130	22365	5.36	ug/l	100
45) 1,2-Dichloropropane	7.52	63	18984	4.99	ug/l	99
46) Dibromomethane	7.67	93	12073	4.74	ug/l	95
47) Bromodichloromethane	7.90	83	21027	4.68	ug/l	96
48) Methyl methacrylate	7.78	41	17663	3.82	ug/l	86
49) 1,4-Dioxane	7.76	88	8706	99.44	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	115099	19.81	ug/l	93
52) Toluene	8.79	92	46806	5.07	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	25107	4.75	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	21523	4.40	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	18609	4.99	ug/l	92
56) Ethyl methacrylate	9.18	69	24002	4.18	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	30318	4.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	61520	22.17	ug/l	97
59) 2-Hexanone	9.50	43	84127	19.22	ug/l	90
60) Dibromochloromethane	9.59	129	16359	4.55	ug/l	98
61) 1,2-Dibromoethane	9.68	107	18628	4.82	ug/l	99
64) Tetrachloroethene	9.34	164	26048	5.63	ug/l	96
65) Chlorobenzene	10.14	112	53925	5.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	17626	5.05	ug/l	99
67) Ethyl Benzene	10.26	91	84751	4.91	ug/l	99
68) m/p-Xylenes	10.36	106	65559	9.85	ug/l	95
69) o-Xylene	10.70	106	31155	4.76	ug/l	99
70) Styrene	10.71	104	50503	4.70	ug/l	97
71) Bromoform	10.86	173	12526	4.78	ug/l #	97
73) Isopropylbenzene	11.02	105	84766	5.20	ug/l	99
74) N-amyl acetate	6.47	43	36281	4.48	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	25566	5.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	22407m	4.87	ug/l	
77) Bromobenzene	11.26	156	24217	5.33	ug/l	96
78) n-propylbenzene	11.36	91	91825	4.91	ug/l	99
79) 2-Chlorotoluene	11.42	91	57480	5.15	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	68543	4.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	5925	4.87	ug/l	96
82) 4-Chlorotoluene	11.51	91	65700	4.99	ug/l	97
83) tert-Butylbenzene	11.77	119	65953	4.97	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	69143	4.92	ug/l	97
85) sec-Butylbenzene	11.95	105	81602	4.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	71241	4.77	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	44784	5.38	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	45484	5.37	ug/l	97
89) n-Butylbenzene	12.39	91	57614	4.37	ug/l	99
90) Hexachloroethane	12.60	117	9439	4.58	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	43930	5.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4411	4.37	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30233	4.97	ug/l	97
94) Hexachlorobutadiene	13.79	225	15017	4.69	ug/l	97
95) Naphthalene	13.83	128	77164	4.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	30233	4.95	ug/l	99

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

