

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003365.D
 Acq On : 13 Jul 2018 13:45
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:43 AM

Quant Time: Jul 13 14:46:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	245357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	449912	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
35) Dibromofluoromethane	5.51	113	416968	96.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.92%	
50) Toluene-d8	8.72	98	1435359	93.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.96%	
62) 4-Bromofluorobenzene	11.14	95	594874	104.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	331086	78.58	ug/l	99
3) Chloromethane	1.32	50	393218	102.65	ug/l	98
4) Vinyl Chloride	1.40	62	490215	124.67	ug/l	100
5) Bromomethane	1.63	94	209178	134.50	ug/l	99
6) Chloroethane	1.70	64	281081	129.03	ug/l	99
7) Trichlorofluoromethane	1.92	101	704288	120.50	ug/l	99
8) Diethyl Ether	2.19	74	322811	152.79	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	457120	133.58	ug/l	98
10) Methyl Iodide	2.50	142	570899	168.30	ug/l	93
11) Tert butyl alcohol	3.10	59	563102	712.12	ug/l	99
12) 1,1-Dichloroethene	2.37	96	426393	136.90	ug/l	89
13) Acrolein	2.30	56	198003	310.74	ug/l	99
14) Allyl chloride	2.72	41	823633	142.78	ug/l	86
15) Acrylonitrile	3.16	53	1401036	793.48	ug/l	98
16) Acetone	2.45	43	1061762	685.68	ug/l	90
17) Carbon Disulfide	2.56	76	1055148	121.92	ug/l	99
18) Methyl Acetate	2.78	43	687496	157.38	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	1558737	149.84	ug/l	100
20) Methylene Chloride	2.86	84	500795	143.12	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	459683	138.46	ug/l	96
22) Diisopropyl ether	3.88	45	1562693	133.15	ug/l	94
23) Vinyl Acetate	3.83	43	6412944	643.61	ug/l	95
24) 1,1-Dichloroethane	3.69	63	882452	144.46	ug/l	100
25) 2-Butanone	4.72	43	1737515	634.12	ug/l	92
26) 2,2-Dichloropropane	4.59	77	637806	119.37	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	541734	132.77	ug/l	90
28) Bromochloromethane	5.03	49	387921	126.04	ug/l	90
29) Tetrahydrofuran	5.17	42	1117480	628.36	ug/l	92
30) Chloroform	5.22	83	867901	129.16	ug/l	97
31) Cyclohexane	5.57	56	695346	121.56	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	741269	125.05	ug/l	98
36) 1,1-Dichloropropene	5.80	75	607325	106.63	ug/l	99
37) Ethyl Acetate	4.87	43	674533	108.02	ug/l	96
38) Carbon Tetrachloride	5.78	117	637085	102.25	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	705176	105.09	ug/l	95
40) Benzene	6.15	78	1868375	110.69	ug/l	99
41) Methacrylonitrile	5.07	41	389767	114.02	ug/l	92
42) 1,2-Dichloroethane	6.20	62	643073	101.97	ug/l	97
43) Isopropyl Acetate	6.47	43	1093641	111.54	ug/l	95
44) Trichloroethene	7.21	130	529003	105.98	ug/l	97
45) 1,2-Dichloropropane	7.52	63	511893	116.65	ug/l	100
46) Dibromomethane	7.67	93	325710	108.89	ug/l	99
47) Bromodichloromethane	7.90	83	653228	118.36	ug/l	98
48) Methyl methacrylate	7.78	41	566464	112.64	ug/l	88
49) 1,4-Dioxane	7.76	88	225546	2145.00	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	3591798	588.39	ug/l	92
52) Toluene	8.79	92	1223700	114.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	796542	122.66	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	761029	128.76	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	519487	117.36	ug/l	99
56) Ethyl methacrylate	9.19	69	821123	135.44	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	833852	116.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1943239	664.44	ug/l	98
59) 2-Hexanone	9.51	43	2688996	579.95	ug/l	90
60) Dibromochloromethane	9.59	129	559590	121.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	529348	114.11	ug/l	100
64) Tetrachloroethene	9.34	164	566397	95.72	ug/l	100
65) Chlorobenzene	10.14	112	1417231	106.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	534688	111.43	ug/l	99
67) Ethyl Benzene	10.26	91	2399242	111.55	ug/l	99
68) m/p-Xylenes	10.37	106	1904286	227.59	ug/l	96
69) o-Xylene	10.70	106	941366	116.13	ug/l	96
70) Styrene	10.71	104	1611591	122.61	ug/l	98
71) Bromoform	10.86	173	469670	118.96	ug/l	99
73) Isopropylbenzene	11.02	105	2475964	127.81	ug/l	100
74) N-amyl acetate	6.47	43	1093641	118.34	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	783215	130.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	659083m	124.29	ug/l	
77) Bromobenzene	11.26	156	676331	120.92	ug/l	100
78) n-propylbenzene	11.37	91	2812852	130.60	ug/l	98
79) 2-Chlorotoluene	11.43	91	1678895	127.95	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2109765	130.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	244905	150.95	ug/l	88
82) 4-Chlorotoluene	11.51	91	2006090	130.94	ug/l	99
83) tert-Butylbenzene	11.77	119	2081966	129.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	2138036	129.43	ug/l	97
85) sec-Butylbenzene	11.95	105	2480688	130.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	2236595	128.90	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1246034	121.45	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1256776	121.00	ug/l	99
89) n-Butylbenzene	12.39	91	1980721	136.63	ug/l	99
90) Hexachloroethane	12.60	117	377147	142.37	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1267729	123.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	172376	133.71	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	941870	125.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	427788	114.60	ug/l	99
95) Naphthalene	13.84	128	2693345	137.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	948694	126.87	ug/l	100

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

