

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010819\
 Data File : VX006950.D
 Acq On : 08 Jan 2019 12:25
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:24:56 AM

Quant Time: Jan 08 13:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 13:13:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	584076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	866054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	784381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	396034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	118477	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
35) Dibromofluoromethane	5.51	113	104102	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
50) Toluene-d8	8.71	98	394105	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
62) 4-Bromofluorobenzene	11.14	95	136694	18.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	103958	19.456	ug/l	97
3) Chloromethane	1.33	50	116358	20.213	ug/l	99
4) Vinyl Chloride	1.41	62	121892	20.274	ug/l	98
5) Bromomethane	1.64	94	124814	19.093	ug/l	97
6) Chloroethane	1.72	64	76963	18.488	ug/l	99
7) Trichlorofluoromethane	1.93	101	186634	19.911	ug/l	96
8) Diethyl Ether	2.19	74	72552	19.487	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109740	19.939	ug/l	99
10) Methyl Iodide	2.51	142	151835	19.273	ug/l	99
11) Tert butyl alcohol	3.07	59	142678	101.561	ug/l	98
12) 1,1-Dichloroethene	2.37	96	100944	19.343	ug/l	99
13) Acrolein	2.29	56	58552	61.782	ug/l	98
14) Allyl chloride	2.73	41	175517	19.981	ug/l	97
15) Acrylonitrile	3.15	53	320965	102.899	ug/l	99
16) Acetone	2.45	43	291251	100.706	ug/l	100
17) Carbon Disulfide	2.57	76	249171	18.042	ug/l	99
18) Methyl Acetate	2.78	43	162972	19.164	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	354656	20.476	ug/l	99
20) Methylene Chloride	2.86	84	119365	19.960	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	110664	19.139	ug/l	99
22) Diisopropyl ether	3.87	45	329388	20.497	ug/l	96
23) Vinyl Acetate	3.82	43	1394576	106.094	ug/l	98
24) 1,1-Dichloroethane	3.70	63	185401	19.327	ug/l	98
25) 2-Butanone	4.70	43	424640	104.384	ug/l	100
26) 2,2-Dichloropropane	4.59	77	138312	18.665	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	125262	19.635	ug/l	99
28) Bromochloromethane	5.03	49	82159	18.628	ug/l	100
29) Tetrahydrofuran	5.15	42	271048	101.161	ug/l	98
30) Chloroform	5.21	83	197225	19.853	ug/l	99
31) Cyclohexane	5.58	56	161535	18.535	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	163936	19.544	ug/l	98
36) 1,1-Dichloropropene	5.80	75	144867	20.196	ug/l	99
37) Ethyl Acetate	4.85	43	158437	21.222	ug/l	98
38) Carbon Tetrachloride	5.79	117	139533	20.016	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179100	18.966	ug/l	98
40) Benzene	6.14	78	439565	20.160	ug/l	100
41) Methacrylonitrile	5.06	41	90683	22.878	ug/l	96
42) 1,2-Dichloroethane	6.20	62	149923	20.179	ug/l	99
43) Isopropyl Acetate	6.46	43	242665	21.362	ug/l	98
44) Trichloroethene	7.21	130	126773	19.210	ug/l	97
45) 1,2-Dichloropropane	7.51	63	112900	21.278	ug/l	96
46) Dibromomethane	7.66	93	78863	20.207	ug/l	99
47) Bromodichloromethane	7.90	83	128691	19.862	ug/l	96
48) Methyl methacrylate	7.77	41	124845	21.612	ug/l	98
49) 1,4-Dioxane	7.75	88	61254	374.774	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	816596	112.982	ug/l	99
52) Toluene	8.79	92	285836	20.292	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	141711	20.393	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160437	21.041	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	118323	20.522	ug/l	99
56) Ethyl methacrylate	9.18	69	170597	20.935	ug/l	98
57) 1,3-Dichloropropane	9.37	76	187868	20.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	443959	102.491	ug/l	99
59) 2-Hexanone	9.49	43	616377	111.460	ug/l	98
60) Dibromochloromethane	9.59	129	110607	20.827	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128133	20.906	ug/l	97
64) Tetrachloroethene	9.34	164	129126	20.790	ug/l	94
65) Chlorobenzene	10.14	112	328667	19.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	111693	21.573	ug/l	100
67) Ethyl Benzene	10.25	91	535358	19.743	ug/l	99
68) m/p-Xylenes	10.36	106	419926	39.246	ug/l	98
69) o-Xylene	10.70	106	209430	19.821	ug/l	98
70) Styrene	10.71	104	332053	19.864	ug/l	99
71) Bromoform	10.85	173	78714	19.970	ug/l #	99
73) Isopropylbenzene	11.02	105	549449	20.280	ug/l	99
74) N-amyl acetate	10.90	43	217323	22.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	170646	21.178	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	158182m	21.492	ug/l	
77) Bromobenzene	11.26	156	149534	20.415	ug/l	98
78) n-propylbenzene	11.36	91	599446	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	357467	19.771	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	453073	20.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40441	19.682	ug/l	91
82) 4-Chlorotoluene	11.51	91	413707	19.948	ug/l	100
83) tert-Butylbenzene	11.77	119	453256	20.294	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	457345	19.484	ug/l	100
85) sec-Butylbenzene	11.94	105	539323	19.695	ug/l	100
86) p-Isopropyltoluene	12.07	119	483370	20.081	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	258928	19.614	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263619	19.480	ug/l	98
89) n-Butylbenzene	12.39	91	400041	19.528	ug/l	99
90) Hexachloroethane	12.60	117	64691	19.729	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	255995	19.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32564	19.532	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	174263	19.130	ug/l	99
94) Hexachlorobutadiene	13.78	225	76929	17.917	ug/l	99
95) Naphthalene	13.83	128	541944	18.640	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	174406	18.544	ug/l	99

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

