

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010345.D
 Acq On : 19 Jun 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 1:23:24 PM

Quant Time: Jun 20 03:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	54996	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	
35) Dibromofluoromethane	5.50	113	53720	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
50) Toluene-d8	8.71	98	203846	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
62) 4-Bromofluorobenzene	11.13	95	71264	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40361	15.707	ug/l	100
3) Chloromethane	1.33	50	47239	17.852	ug/l	98
4) Vinyl Chloride	1.41	62	49691	19.585	ug/l	99
5) Bromomethane	1.64	94	29953	29.615	ug/l	99
6) Chloroethane	1.72	64	30630	23.549	ug/l	97
7) Trichlorofluoromethane	1.93	101	81431	21.179	ug/l	99
8) Diethyl Ether	2.19	74	29518	21.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49109	18.927	ug/l	100
10) Methyl Iodide	2.51	142	67691	17.073	ug/l	100
11) Tert butyl alcohol	3.04	59	77845	110.080	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49497	18.658	ug/l	96
13) Acrolein	2.29	56	46941	244.865	ug/l	97
14) Allyl chloride	2.73	41	71867	18.038	ug/l	99
15) Acrylonitrile	3.14	53	143976	99.209	ug/l	100
16) Acetone	2.44	43	151015	108.989	ug/l	100
17) Carbon Disulfide	2.57	76	132168	17.375	ug/l	100
18) Methyl Acetate	2.78	43	54136	18.187	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	159385	18.739	ug/l	99
20) Methylene Chloride	2.85	84	55787	18.714	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	53440	18.234	ug/l	98
22) Diisopropyl ether	3.86	45	150149	19.587	ug/l	89
23) Vinyl Acetate	3.82	43	663769	97.040	ug/l	99
24) 1,1-Dichloroethane	3.70	63	86887	18.693	ug/l	98
25) 2-Butanone	4.67	43	212056	103.916	ug/l	100
26) 2,2-Dichloropropane	4.58	77	75495	17.993	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61915	18.922	ug/l	99
28) Bromochloromethane	5.02	49	38978	18.596	ug/l	99
29) Tetrahydrofuran	5.13	42	122872	96.176	ug/l	97
30) Chloroform	5.21	83	92039	19.059	ug/l	100
31) Cyclohexane	5.58	56	79348	19.028	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	81570	17.999	ug/l	100
36) 1,1-Dichloropropene	5.80	75	66232	18.412	ug/l	99
37) Ethyl Acetate	4.83	43	72056	19.164	ug/l	97
38) Carbon Tetrachloride	5.79	117	74471	18.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91716	18.790	ug/l	97
40) Benzene	6.14	78	216000	19.375	ug/l	99
41) Methacrylonitrile	5.04	41	38725	19.102	ug/l	97
42) 1,2-Dichloroethane	6.19	62	67832	19.132	ug/l	99
43) Isopropyl Acetate	6.45	43	117695	18.802	ug/l	100
44) Trichloroethene	7.21	130	65146	19.365	ug/l	95
45) 1,2-Dichloropropane	7.51	63	53205	19.068	ug/l	96
46) Dibromomethane	7.66	93	39215	18.744	ug/l	99
47) Bromodichloromethane	7.90	83	70366	18.116	ug/l	99
48) Methyl methacrylate	7.77	41	55687	19.088	ug/l	99
49) 1,4-Dioxane	7.74	88	32759	392.495	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	384618	102.321	ug/l	99
52) Toluene	8.78	92	141352	19.234	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77979	17.455	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	87393	18.162	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	58758	19.544	ug/l	98
56) Ethyl methacrylate	9.18	69	87988	18.641	ug/l	99
57) 1,3-Dichloropropane	9.37	76	90838	19.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	212816	95.509	ug/l	98
59) 2-Hexanone	9.49	43	307859	102.588	ug/l	99
60) Dibromochloromethane	9.58	129	64003	18.113	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63980	19.158	ug/l	98
64) Tetrachloroethene	9.34	164	63375	21.063	ug/l	99
65) Chlorobenzene	10.14	112	158913	19.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	58417	18.553	ug/l	97
67) Ethyl Benzene	10.25	91	271485	19.402	ug/l	99
68) m/p-Xylenes	10.36	106	211998	39.114	ug/l	98
69) o-Xylene	10.69	106	103822	19.307	ug/l	98
70) Styrene	10.71	104	174705	19.211	ug/l	100
71) Bromoform	10.85	173	50207	17.409	ug/l #	100
73) Isopropylbenzene	11.02	105	274582	19.697	ug/l	98
74) N-amyl acetate	10.90	43	103896	18.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89385	18.765	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74963m	18.866	ug/l	
77) Bromobenzene	11.26	156	74961	19.508	ug/l	99
78) n-propylbenzene	11.36	91	297473	19.161	ug/l	100
79) 2-Chlorotoluene	11.42	91	175817	18.905	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225448	19.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29689	16.728	ug/l	99
82) 4-Chlorotoluene	11.51	91	198114	18.747	ug/l	98
83) tert-Butylbenzene	11.77	119	224078	18.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	226767	19.084	ug/l	98
85) sec-Butylbenzene	11.94	105	265750	19.181	ug/l	100
86) p-Isopropyltoluene	12.06	119	244478	19.275	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131002	19.392	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	128545	18.811	ug/l	98
89) n-Butylbenzene	12.38	91	203327	18.641	ug/l	100
90) Hexachloroethane	12.60	117	41455	16.645	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	131069	19.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19405	17.539	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	91029	18.880	ug/l	99
94) Hexachlorobutadiene	13.78	225	43867	20.151	ug/l	100
95) Naphthalene	13.83	128	285993	18.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	91011	19.055	ug/l	98

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

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