

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009442.D
 Acq On : 09 May 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:12:15 PM

Quant Time: May 10 08:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105275	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	5.50	113	79072	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	8.71	98	304253	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	115310	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56610	43.845	ug/l	99
3) Chloromethane	1.32	50	94593	53.663	ug/l	99
4) Vinyl Chloride	1.41	62	88675	51.589	ug/l	98
5) Bromomethane	1.64	94	48218	46.737	ug/l	98
6) Chloroethane	1.71	64	65373	59.237	ug/l	99
7) Trichlorofluoromethane	1.92	101	104920	50.215	ug/l	98
8) Diethyl Ether	2.19	74	57530	58.128	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62094	47.325	ug/l	99
10) Methyl Iodide	2.51	142	70417	46.541	ug/l	99
11) Tert butyl alcohol	3.06	59	133985	302.630	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70309	53.482	ug/l	97
13) Acrolein	2.29	56	109072	272.030	ug/l	98
14) Allyl chloride	2.73	41	176771	55.176	ug/l	100
15) Acrylonitrile	3.14	53	321967	297.423	ug/l	99
16) Acetone	2.45	43	283744	276.277	ug/l	99
17) Carbon Disulfide	2.57	76	201041	54.469	ug/l	100
18) Methyl Acetate	2.78	43	136230	55.775	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	302740	59.302	ug/l	100
20) Methylene Chloride	2.85	84	94481	56.817	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	79160	55.523	ug/l	98
22) Diisopropyl ether	3.85	45	358953	58.260	ug/l	98
23) Vinyl Acetate	3.81	43	1638346	310.532	ug/l	100
24) 1,1-Dichloroethane	3.70	63	169923	55.907	ug/l	99
25) 2-Butanone	4.67	43	475382	297.864	ug/l	99
26) 2,2-Dichloropropane	4.58	77	110004	48.624	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	97131	57.077	ug/l	98
28) Bromochloromethane	5.01	49	67256	55.258	ug/l	100
29) Tetrahydrofuran	5.13	42	314139	305.880	ug/l	100
30) Chloroform	5.21	83	159524	58.031	ug/l	100
31) Cyclohexane	5.58	56	142507	50.396	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123287	53.875	ug/l	99
36) 1,1-Dichloropropene	5.80	75	111312	49.937	ug/l	100
37) Ethyl Acetate	4.83	43	177784	57.244	ug/l	99
38) Carbon Tetrachloride	5.79	117	99324	49.043	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	124635	45.529	ug/l	99
40) Benzene	6.14	78	371813	53.897	ug/l	100
41) Methacrylonitrile	5.04	41	102241	55.303	ug/l	99
42) 1,2-Dichloroethane	6.19	62	138911	56.134	ug/l	100
43) Isopropyl Acetate	6.45	43	279997	56.362	ug/l	100
44) Trichloroethene	7.21	130	85548	51.296	ug/l	100
45) 1,2-Dichloropropane	7.51	63	107374	54.968	ug/l	98
46) Dibromomethane	7.66	93	62511	55.107	ug/l	98
47) Bromodichloromethane	7.90	83	124587	55.060	ug/l	98
48) Methyl methacrylate	7.77	41	142706	57.901	ug/l	99
49) 1,4-Dioxane	7.74	88	56401	1128.411	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	940593	289.675	ug/l	100
52) Toluene	8.79	92	226856	54.098	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	143857	56.312	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158469	56.043	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96036	56.135	ug/l	97
56) Ethyl methacrylate	9.18	69	175805	57.568	ug/l	99
57) 1,3-Dichloropropane	9.37	76	167277	55.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	422348	260.696	ug/l	100
59) 2-Hexanone	9.49	43	738117	289.435	ug/l	99
60) Dibromochloromethane	9.58	129	95056	56.888	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98774	57.196	ug/l	99
64) Tetrachloroethene	9.34	164	75377	49.640	ug/l	98
65) Chlorobenzene	10.13	112	236526	53.412	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86779	54.053	ug/l	100
67) Ethyl Benzene	10.25	91	427511	52.456	ug/l	100
68) m/p-Xylenes	10.36	106	316577	106.298	ug/l	99
69) o-Xylene	10.69	106	157185	53.493	ug/l	100
70) Styrene	10.71	104	280578	54.937	ug/l	99
71) Bromoform	10.85	173	74768	57.308	ug/l #	99
73) Isopropylbenzene	11.02	105	399457	49.495	ug/l	99
74) N-amyl acetate	10.90	43	262116	55.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160530	53.357	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	139874m	54.332	ug/l	
77) Bromobenzene	11.26	156	106734	53.283	ug/l	99
78) n-propylbenzene	11.36	91	459559	49.860	ug/l	100
79) 2-Chlorotoluene	11.42	91	284460	50.024	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	345840	50.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53957	53.626	ug/l	97
82) 4-Chlorotoluene	11.51	91	328274	51.101	ug/l	100
83) tert-Butylbenzene	11.77	119	329073	49.780	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	354457	51.966	ug/l	98
85) sec-Butylbenzene	11.94	105	376899	48.090	ug/l	100
86) p-Isopropyltoluene	12.06	119	349115	49.550	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185224	51.869	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	187465	52.070	ug/l	100
89) n-Butylbenzene	12.38	91	306010	48.053	ug/l	100
90) Hexachloroethane	12.60	117	59397	49.482	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	189263	52.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36303	53.789	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	128905	51.826	ug/l	98
94) Hexachlorobutadiene	13.78	225	57009	44.884	ug/l	99
95) Naphthalene	13.83	128	439603	54.325	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131685	52.230	ug/l	99

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

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