

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010091.D
 Acq On : 05 Jun 2019 20:45
 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
 6/6/2019 9:32:42 AM

Quant Time: Jun 06 07:31:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	153181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	100812	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	74563	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	8.71	98	299615	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	111622	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99404	53.105	ug/l	98
3) Chloromethane	1.32	50	113792	45.220	ug/l	98
4) Vinyl Chloride	1.41	62	105866	46.668	ug/l	100
5) Bromomethane	1.64	94	75224	54.731	ug/l	98
6) Chloroethane	1.71	64	63141	45.215	ug/l	99
7) Trichlorofluoromethane	1.92	101	121425	48.438	ug/l	99
8) Diethyl Ether	2.19	74	53028	45.015	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72712	48.044	ug/l	98
10) Methyl Iodide	2.51	142	93088	49.702	ug/l	99
11) Tert butyl alcohol	3.06	59	123359	231.654	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74836	48.240	ug/l	98
13) Acrolein	2.29	56	91873	243.954	ug/l	100
14) Allyl chloride	2.73	41	179711	47.663	ug/l	99
15) Acrylonitrile	3.14	53	302113	235.460	ug/l	100
16) Acetone	2.45	43	277424	221.903	ug/l	100
17) Carbon Disulfide	2.57	76	227320	48.405	ug/l	100
18) Methyl Acetate	2.78	43	134676	46.296	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	287363	49.065	ug/l	99
20) Methylene Chloride	2.85	84	90724	47.387	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	81307	47.104	ug/l	97
22) Diisopropyl ether	3.85	45	345442	48.152	ug/l	95
23) Vinyl Acetate	3.81	43	1548843	240.325	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167719	48.241	ug/l	99
25) 2-Butanone	4.68	43	457896	235.084	ug/l	99
26) 2,2-Dichloropropane	4.58	77	115389	43.875	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95611	47.986	ug/l	95
28) Bromochloromethane	5.01	49	78593	43.562	ug/l	97
29) Tetrahydrofuran	5.13	42	297164	237.913	ug/l	99
30) Chloroform	5.21	83	153376	48.917	ug/l	97
31) Cyclohexane	5.58	56	164117	49.840	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	129927	50.882	ug/l	100
36) 1,1-Dichloropropene	5.80	75	119853	49.347	ug/l	100
37) Ethyl Acetate	4.83	43	171477	50.670	ug/l	100
38) Carbon Tetrachloride	5.79	117	109588	52.215	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	147394	51.162	ug/l	99
40) Benzene	6.14	78	365658	50.752	ug/l	99
41) Methacrylonitrile	5.04	41	96446	48.772	ug/l	98
42) 1,2-Dichloroethane	6.19	62	132132	49.607	ug/l	99
43) Isopropyl Acetate	6.45	43	269931	49.433	ug/l	99
44) Trichloroethene	7.21	130	89109	50.918	ug/l	95
45) 1,2-Dichloropropane	7.51	63	103584	49.944	ug/l	95
46) Dibromomethane	7.66	93	59539	48.770	ug/l	97
47) Bromodichloromethane	7.90	83	121180	52.198	ug/l	99
48) Methyl methacrylate	7.77	41	137269	50.781	ug/l	98
49) 1,4-Dioxane	7.74	88	50032	995.048	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	901332	253.744	ug/l	99
52) Toluene	8.79	92	225995	51.662	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140353	50.410	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154110	50.802	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	89887	51.053	ug/l	98
56) Ethyl methacrylate	9.18	69	168458	53.742	ug/l	99
57) 1,3-Dichloropropane	9.37	76	159439	50.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	401703	244.393	ug/l	99
59) 2-Hexanone	9.49	43	691599	252.889	ug/l	99
60) Dibromochloromethane	9.58	129	92226	53.249	ug/l	99
61) 1,2-Dibromoethane	9.67	107	93357	51.612	ug/l	99
64) Tetrachloroethene	9.34	164	82662	52.683	ug/l	99
65) Chlorobenzene	10.13	112	236745	50.343	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	85199	52.235	ug/l	99
67) Ethyl Benzene	10.25	91	439158	52.010	ug/l	99
68) m/p-Xylenes	10.36	106	320083	102.610	ug/l	99
69) o-Xylene	10.69	106	156718	52.385	ug/l	99
70) Styrene	10.71	104	276181	52.647	ug/l	100
71) Bromoform	10.85	173	73642	55.234	ug/l #	96
73) Isopropylbenzene	11.02	105	416221	50.823	ug/l	99
74) N-amyl acetate	10.90	43	243743	49.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	149134	48.812	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	131137m	49.406	ug/l	
77) Bromobenzene	11.26	156	105343	50.474	ug/l	96
78) n-propylbenzene	11.36	91	484409	51.316	ug/l	100
79) 2-Chlorotoluene	11.42	91	286451	49.667	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	354377	51.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52065	48.532	ug/l	99
82) 4-Chlorotoluene	11.51	91	333881	49.730	ug/l	98
83) tert-Butylbenzene	11.77	119	340995	51.661	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	356563	50.889	ug/l	100
85) sec-Butylbenzene	11.94	105	401291	51.103	ug/l	99
86) p-Isopropyltoluene	12.06	119	368873	52.225	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185208	49.845	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	186357	49.179	ug/l	99
89) n-Butylbenzene	12.38	91	336772	50.734	ug/l	98
90) Hexachloroethane	12.60	117	63311	52.231	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	184777	50.439	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34153	47.490	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132842	50.743	ug/l	100
94) Hexachlorobutadiene	13.78	225	61908	47.147	ug/l	99
95) Naphthalene	13.83	128	420844	51.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133164	50.816	ug/l	99

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

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