

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010093.D
 Acq On : 05 Jun 2019 22:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:11:56 AM

Quant Time: Jun 06 07:33:36 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	160682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105815	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	5.50	113	78437	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	8.71	98	313676	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	112291	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107213	54.603	ug/l	99
3) Chloromethane	1.32	50	120732	45.738	ug/l	100
4) Vinyl Chloride	1.41	62	114228	48.003	ug/l	99
5) Bromomethane	1.64	94	70616	48.980	ug/l	99
6) Chloroethane	1.71	64	68742	46.928	ug/l	100
7) Trichlorofluoromethane	1.92	101	132823	50.512	ug/l	98
8) Diethyl Ether	2.19	74	57446	46.489	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79997	50.390	ug/l	98
10) Methyl Iodide	2.51	142	98565	50.125	ug/l	100
11) Tert butyl alcohol	3.06	59	137878	246.832	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82571	50.742	ug/l	98
13) Acrolein	2.29	56	94769	240.248	ug/l	99
14) Allyl chloride	2.73	41	194576	49.196	ug/l	99
15) Acrylonitrile	3.15	53	326708	242.742	ug/l	99
16) Acetone	2.45	43	291200	222.049	ug/l	98
17) Carbon Disulfide	2.57	76	247191	50.166	ug/l	99
18) Methyl Acetate	2.78	43	147142	48.220	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	313822	51.081	ug/l	98
20) Methylene Chloride	2.85	84	97774	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	88876	49.086	ug/l	98
22) Diisopropyl ether	3.86	45	377605	50.178	ug/l	# 85
23) Vinyl Acetate	3.82	43	1680221	248.540	ug/l	99
24) 1,1-Dichloroethane	3.70	63	182862	50.142	ug/l	99
25) 2-Butanone	4.67	43	485874	237.803	ug/l	100
26) 2,2-Dichloropropane	4.59	77	119047	43.153	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	103210	49.382	ug/l	96
28) Bromochloromethane	5.01	49	83204	43.965	ug/l	96
29) Tetrahydrofuran	5.13	42	321977	245.745	ug/l	99
30) Chloroform	5.21	83	168423	51.208	ug/l	97
31) Cyclohexane	5.58	56	179829	52.062	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	141806	52.941	ug/l	99
36) 1,1-Dichloropropene	5.80	75	130610	50.312	ug/l	99
37) Ethyl Acetate	4.84	43	184118	50.901	ug/l	99
38) Carbon Tetrachloride	5.79	117	120039	53.510	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	162084	52.636	ug/l	99
40) Benzene	6.14	78	400026	51.945	ug/l	99
41) Methacrylonitrile	5.04	41	103954	49.182	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143630	50.450	ug/l	100
43) Isopropyl Acetate	6.45	43	294088	50.388	ug/l	99
44) Trichloroethene	7.21	130	96541	51.610	ug/l	96
45) 1,2-Dichloropropane	7.51	63	112034	50.538	ug/l	96
46) Dibromomethane	7.66	93	65312	50.052	ug/l	98
47) Bromodichloromethane	7.90	83	132730	53.490	ug/l	99
48) Methyl methacrylate	7.77	41	149563	51.765	ug/l	98
49) 1,4-Dioxane	7.74	88	51694	961.870	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	937544	246.935	ug/l	100
52) Toluene	8.78	92	247126	52.853	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	152221	51.151	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168492	51.965	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	97721	51.926	ug/l	99
56) Ethyl methacrylate	9.18	69	178459	53.265	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172498	51.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	430236	244.889	ug/l	99
59) 2-Hexanone	9.49	43	707587	242.067	ug/l	99
60) Dibromochloromethane	9.58	129	101107	54.616	ug/l	99
61) 1,2-Dibromoethane	9.67	107	102409	52.969	ug/l	99
64) Tetrachloroethene	9.34	164	90636	55.545	ug/l	97
65) Chlorobenzene	10.13	112	252895	51.710	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	93934	55.376	ug/l	99
67) Ethyl Benzene	10.25	91	465445	53.004	ug/l	99
68) m/p-Xylenes	10.36	106	338811	104.439	ug/l	99
69) o-Xylene	10.69	106	163133	52.433	ug/l	99
70) Styrene	10.71	104	289072	52.986	ug/l	99
71) Bromoform	10.85	173	75985	54.801	ug/l	100
73) Isopropylbenzene	11.02	105	441059	53.899	ug/l	100
74) N-amyl acetate	10.90	43	250299	51.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	153201	50.182	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135131m	50.951	ug/l	
77) Bromobenzene	11.26	156	110204	52.845	ug/l	95
78) n-propylbenzene	11.36	91	505833	53.627	ug/l	100
79) 2-Chlorotoluene	11.42	91	300697	52.178	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	371411	53.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52706	49.168	ug/l	98
82) 4-Chlorotoluene	11.51	91	344760	51.390	ug/l	99
83) tert-Butylbenzene	11.77	119	354338	53.724	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	374066	53.429	ug/l	99
85) sec-Butylbenzene	11.94	105	426393	54.342	ug/l	100
86) p-Isopropyltoluene	12.06	119	390661	55.353	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	192659	51.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193205	51.026	ug/l	99
89) n-Butylbenzene	12.38	91	352056	53.079	ug/l	99
90) Hexachloroethane	12.60	117	66758	55.118	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	188845	51.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35270	49.081	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138030	52.766	ug/l	99
94) Hexachlorobutadiene	13.78	225	63999	48.777	ug/l	99
95) Naphthalene	13.83	128	433289	53.227	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138001	52.703	ug/l	99

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

