

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010474.D
 Acq On : 26 Jun 2019 19:39
 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
 6/27/2019 10:11:54 AM

Quant Time: Jun 27 03:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	252968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121782	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.49	113	120108	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	8.71	98	450429	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	168198	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80892	45.995	ug/l	99
3) Chloromethane	1.32	50	93754	45.780	ug/l	97
4) Vinyl Chloride	1.41	62	101274	45.150	ug/l	99
5) Bromomethane	1.64	94	53000	48.500	ug/l	98
6) Chloroethane	1.71	64	65868	49.773	ug/l	97
7) Trichlorofluoromethane	1.92	101	175312	49.303	ug/l	99
8) Diethyl Ether	2.19	74	64186	50.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103457	48.012	ug/l	99
10) Methyl Iodide	2.51	142	155027	50.411	ug/l	99
11) Tert butyl alcohol	3.06	59	148426	239.154	ug/l	99
12) 1,1-Dichloroethene	2.37	96	104635	47.720	ug/l	98
13) Acrolein	2.29	56	86658	210.483	ug/l	99
14) Allyl chloride	2.73	41	153295	49.244	ug/l	99
15) Acrylonitrile	3.14	53	313122	254.824	ug/l	99
16) Acetone	2.45	43	264260	222.313	ug/l	98
17) Carbon Disulfide	2.57	76	258558	43.953	ug/l	100
18) Methyl Acetate	2.78	43	121009	51.078	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	345780	50.128	ug/l	100
20) Methylene Chloride	2.85	84	119313	48.774	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112552	47.727	ug/l	98
22) Diisopropyl ether	3.85	45	325274	49.977	ug/l	97
23) Vinyl Acetate	3.81	43	1446261	257.221	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185666	49.351	ug/l	98
25) 2-Butanone	4.67	43	428955	246.009	ug/l	100
26) 2,2-Dichloropropane	4.59	77	144135	44.103	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	133467	48.976	ug/l	99
28) Bromochloromethane	5.01	49	88638	49.278	ug/l	99
29) Tetrahydrofuran	5.13	42	272472	252.282	ug/l	99
30) Chloroform	5.21	83	200014	49.412	ug/l	97
31) Cyclohexane	5.58	56	162384	47.398	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	177630	49.697	ug/l	100
36) 1,1-Dichloropropene	5.80	75	143315	47.024	ug/l	100
37) Ethyl Acetate	4.84	43	158513	50.556	ug/l	100
38) Carbon Tetrachloride	5.78	117	159364	48.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185043	46.190	ug/l	98
40) Benzene	6.14	78	460701	48.520	ug/l	98
41) Methacrylonitrile	5.04	41	85745	49.842	ug/l	98
42) 1,2-Dichloroethane	6.20	62	146544	50.702	ug/l	99
43) Isopropyl Acetate	6.45	43	262141	50.534	ug/l	99
44) Trichloroethene	7.21	130	135459	47.677	ug/l	99
45) 1,2-Dichloropropane	7.51	63	117157	48.861	ug/l	98
46) Dibromomethane	7.66	93	84724	49.248	ug/l	99
47) Bromodichloromethane	7.90	83	157213	49.865	ug/l	100
48) Methyl methacrylate	7.77	41	122723	50.897	ug/l	100
49) 1,4-Dioxane	7.74	88	69361	998.573	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	858872	258.878	ug/l	99
52) Toluene	8.78	92	301597	48.233	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	170091	48.121	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	188157	48.984	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	128812	49.950	ug/l	99
56) Ethyl methacrylate	9.18	69	198206	50.737	ug/l	98
57) 1,3-Dichloropropane	9.37	76	199863	49.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	443939	239.277	ug/l	99
59) 2-Hexanone	9.49	43	662372	253.672	ug/l	99
60) Dibromochloromethane	9.58	129	143595	49.731	ug/l	99
61) 1,2-Dibromoethane	9.67	107	137530	49.408	ug/l	99
64) Tetrachloroethene	9.34	164	133714	47.053	ug/l	97
65) Chlorobenzene	10.13	112	346520	48.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	130961	50.404	ug/l	100
67) Ethyl Benzene	10.25	91	589993	48.994	ug/l	100
68) m/p-Xylenes	10.36	106	458325	98.226	ug/l	100
69) o-Xylene	10.69	106	227039	49.479	ug/l	99
70) Styrene	10.71	104	389946	50.674	ug/l	100
71) Bromoform	10.85	173	114896	50.851	ug/l	98
73) Isopropylbenzene	11.02	105	602305	48.419	ug/l	98
74) N-amyl acetate	10.90	43	243163	51.724	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	204813	49.716	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	166885m	49.906	ug/l	
77) Bromobenzene	11.26	156	165175	47.553	ug/l	99
78) n-propylbenzene	11.36	91	675573	49.414	ug/l	99
79) 2-Chlorotoluene	11.42	91	394348	48.439	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	503644	49.113	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	65201	45.487	ug/l	96
82) 4-Chlorotoluene	11.51	91	454568	49.070	ug/l	99
83) tert-Butylbenzene	11.77	119	502044	48.777	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	510908	49.588	ug/l	100
85) sec-Butylbenzene	11.94	105	594862	49.223	ug/l	99
86) p-Isopropyltoluene	12.06	119	551095	49.301	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	293755	48.449	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	292401	47.371	ug/l	100
89) n-Butylbenzene	12.38	91	470930	49.578	ug/l	100
90) Hexachloroethane	12.59	117	95494	49.405	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	292310	48.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41963	47.244	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	207403	49.630	ug/l	99
94) Hexachlorobutadiene	13.78	225	96792	47.391	ug/l	99
95) Naphthalene	13.83	128	641277	49.935	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	206052	49.592	ug/l	99

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

