

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061520\
 Data File : VX016751.D
 Acq On : 15 Jun 2020 13:03
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:23:15 PM

Quant Time: Jun 15 13:25:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 15 12:43:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	261329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	397784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	442759	139.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.32%	
35) Dibromofluoromethane	5.47	113	363519	148.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.68%	
50) Toluene-d8	8.70	98	1413230	149.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.68%	
62) 4-Bromofluorobenzene	11.12	95	565500	154.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	435736	166.635	ug/l	100
3) Chloromethane	1.31	50	402927	132.007	ug/l	99
4) Vinyl Chloride	1.39	62	455856	140.493	ug/l	99
5) Bromomethane	1.62	94	251445	153.459	ug/l	99
6) Chloroethane	1.69	64	261196	137.618	ug/l	98
7) Trichlorofluoromethane	1.90	101	659553	152.017	ug/l	97
8) Diethyl Ether	2.17	74	246857	138.968	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	336779	143.159	ug/l	98
10) Methyl Iodide	2.49	142	458145	178.287	ug/l	99
11) Tert butyl alcohol	3.04	59	541168	675.989	ug/l	100
12) 1,1-Dichloroethene	2.35	96	358914	143.841	ug/l	98
13) Acrolein	2.28	56	235647	683.727	ug/l	98
14) Allyl chloride	2.70	41	569649	127.630	ug/l	99
15) Acrylonitrile	3.12	53	1055759	641.718	ug/l	99
16) Acetone	2.43	43	881720	640.931	ug/l	100
17) Carbon Disulfide	2.54	76	1018928	138.482	ug/l	100
18) Methyl Acetate	2.75	43	514244	143.036	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1239327	140.024	ug/l	99
20) Methylene Chloride	2.83	84	387161	133.909	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	385681	140.432	ug/l	99
22) Diisopropyl ether	3.83	45	1060181	124.171	ug/l	94
23) Vinyl Acetate	3.79	43	4636570	624.986	ug/l	100
24) 1,1-Dichloroethane	3.67	63	650103	132.815	ug/l	99
25) 2-Butanone	4.64	43	1438972	624.423	ug/l	97
26) 2,2-Dichloropropane	4.55	77	605665	146.802	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	432946	136.941	ug/l	99
28) Bromochloromethane	4.98	49	281321	124.528	ug/l	100
29) Tetrahydrofuran	5.09	42	923095	620.971	ug/l	100
30) Chloroform	5.18	83	690480	138.828	ug/l	99
31) Cyclohexane	5.55	56	565751	129.822	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	652311	143.951	ug/l	100
36) 1,1-Dichloropropene	5.77	75	526988	141.486	ug/l	100
37) Ethyl Acetate	4.80	43	549830	125.830	ug/l	99
38) Carbon Tetrachloride	5.76	117	595464	150.073	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	609737	150.070	ug/l	98
40) Benzene	6.12	78	1540389	139.188	ug/l	100
41) Methacrylonitrile	5.01	41	294598	122.716	ug/l	99
42) 1,2-Dichloroethane	6.17	62	544497	138.173	ug/l	99
43) Isopropyl Acetate	6.42	43	896012	131.112	ug/l	100
44) Trichloroethene	7.19	130	476103	135.406	ug/l	100
45) 1,2-Dichloropropane	7.49	63	383201	136.715	ug/l	99
46) Dibromomethane	7.64	93	273373	143.745	ug/l	99
47) Bromodichloromethane	7.88	83	576566	146.281	ug/l	100
48) Methyl methacrylate	7.75	41	439714	134.654	ug/l	99
49) 1,4-Dioxane	7.72	88	214219	2778.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	2793044	657.999	ug/l	99
52) Toluene	8.77	92	1024895	146.161	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	680742	151.885	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	700684	148.258	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	409830	146.647	ug/l	96
56) Ethyl methacrylate	9.16	69	675757	150.457	ug/l	99
57) 1,3-Dichloropropane	9.35	76	673204	141.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1623764	693.230	ug/l	99
59) 2-Hexanone	9.48	43	2215198	671.928	ug/l	99
60) Dibromochloromethane	9.57	129	504963	159.234	ug/l	99
61) 1,2-Dibromoethane	9.66	107	454833	151.395	ug/l	98
64) Tetrachloroethene	9.32	164	487803	115.870	ug/l	97
65) Chlorobenzene	10.12	112	1133463	145.079	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	452332	150.177	ug/l	98
67) Ethyl Benzene	10.24	91	1986470	143.667	ug/l	99
68) m/p-Xylenes	10.34	106	1523305	295.561	ug/l	99
69) o-Xylene	10.68	106	742775	148.694	ug/l	99
70) Styrene	10.70	104	1318524	153.936	ug/l	100
71) Bromoform	10.84	173	417683	164.824	ug/l #	98
73) Isopropylbenzene	11.01	105	1983512	140.652	ug/l	100
74) N-amyl acetate	10.88	43	819742	130.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	578432	161.795	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	567416m	127.847	ug/l	
77) Bromobenzene	11.24	156	538515	144.540	ug/l	99
78) n-propylbenzene	11.35	91	2186978	139.417	ug/l	100
79) 2-Chlorotoluene	11.41	91	1332329	138.983	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1691178	143.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	257167	142.843	ug/l	97
82) 4-Chlorotoluene	11.49	91	1589519	140.811	ug/l	99
83) tert-Butylbenzene	11.76	119	1588819	156.416	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1735506	145.884	ug/l	99
85) sec-Butylbenzene	11.93	105	1878872	148.377	ug/l	99
86) p-Isopropyltoluene	12.05	119	1816875	152.823	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	951116	147.753	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	949882	144.273	ug/l	99
89) n-Butylbenzene	12.37	91	1546487	156.780	ug/l	98
90) Hexachloroethane	12.58	117	335011	162.595	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	921765	147.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	165671	145.431	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	684505	164.293	ug/l	99
94) Hexachlorobutadiene	13.76	225	295913	174.641	ug/l	98
95) Naphthalene	13.82	128	2197830	155.032	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	659505	160.238	ug/l	98

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

