

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016571.D
 Acq On : 03 Jun 2020 17:06
 Operator : JC/SP
 Sample : L2867-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Manual Integrations
 APPROVED

MMDadoda
 6/4/2020 3:07:35 PM

Quant Time: Jun 04 09:11:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	378467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	150679	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	5.47	113	118528	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.70	98	466322	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	180009	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	113016	48.337	ug/l	97
3) Chloromethane	1.31	50	129637	45.881	ug/l	99
4) Vinyl Chloride	1.39	62	148418	49.670	ug/l	98
5) Bromomethane	1.62	94	60619	41.724	ug/l	99
6) Chloroethane	1.70	64	90207	51.753	ug/l	96
7) Trichlorofluoromethane	1.91	101	204330	52.070	ug/l	100
8) Diethyl Ether	2.17	74	82669	50.522	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	104462	48.368	ug/l	99
10) Methyl Iodide	2.49	142	83626	33.484	ug/l	100
11) Tert butyl alcohol	3.02	59	188451	249.075	ug/l	100
12) 1,1-Dichloroethene	2.36	96	114187	49.949	ug/l	98
13) Acrolein	2.27	56	93378	290.130	ug/l	97
14) Allyl chloride	2.70	41	207481	49.350	ug/l	98
15) Acrylonitrile	3.12	53	407688	263.050	ug/l	99
16) Acetone	2.42	43	337772	261.295	ug/l	99
17) Carbon Disulfide	2.55	76	328686	48.416	ug/l	99
18) Methyl Acetate	2.75	43	170251	51.350	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	438655	53.435	ug/l	97
20) Methylene Chloride	2.83	84	134538	50.304	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	129302	51.134	ug/l	96
22) Diisopropyl ether	3.82	45	398328	49.319	ug/l	99
23) Vinyl Acetate	3.79	43	1775551	251.160	ug/l	98
24) 1,1-Dichloroethane	3.67	63	234684	51.483	ug/l	100
25) 2-Butanone	4.64	43	560500	255.889	ug/l	97
26) 2,2-Dichloropropane	4.55	77	195338	52.368	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	154161	52.698	ug/l	99
28) Bromochloromethane	4.98	49	98541	46.518	ug/l	93
29) Tetrahydrofuran	5.09	42	359296	253.900	ug/l	96
30) Chloroform	5.18	83	241739	52.630	ug/l	98
31) Cyclohexane	5.55	56	188305	45.917	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	219822	52.862	ug/l	99
36) 1,1-Dichloropropene	5.77	75	176895	49.366	ug/l	98
37) Ethyl Acetate	4.79	43	237469	55.198	ug/l	98
38) Carbon Tetrachloride	5.76	117	194790	51.727	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	182893	46.990	ug/l	98
40) Benzene	6.12	78	541752	50.768	ug/l	99
41) Methacrylonitrile	5.01	41	113392	47.984	ug/l	98
42) 1,2-Dichloroethane	6.17	62	191024	50.337	ug/l	100
43) Isopropyl Acetate	6.41	43	323219	48.166	ug/l	98
44) Trichloroethene	7.19	130	160361	47.364	ug/l	95
45) 1,2-Dichloropropane	7.49	63	134466	49.497	ug/l	98
46) Dibromomethane	7.64	93	93002	50.969	ug/l	98
47) Bromodichloromethane	7.88	83	196720	52.068	ug/l	100
48) Methyl methacrylate	7.74	41	157035	48.875	ug/l	97
49) 1,4-Dioxane	7.71	88	71268	947.805	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1058807	253.400	ug/l	98
52) Toluene	8.77	92	346018	51.421	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	223419	52.005	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	231867	50.990	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	139155	52.011	ug/l	98
56) Ethyl methacrylate	9.16	69	227424	52.193	ug/l	97
57) 1,3-Dichloropropane	9.35	76	236687	51.539	ug/l	99
59) 2-Hexanone	9.48	43	829601	255.312	ug/l	98
60) Dibromochloromethane	9.57	129	160702	53.373	ug/l	99
61) 1,2-Dibromoethane	9.65	107	150207	52.427	ug/l	100
64) Tetrachloroethene	9.32	164	170671	42.679	ug/l	98
65) Chlorobenzene	10.12	112	370353	50.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	146498	52.666	ug/l	99
67) Ethyl Benzene	10.24	91	655683	50.538	ug/l	99
68) m/p-Xylenes	10.34	106	501766	104.308	ug/l	99
69) o-Xylene	10.68	106	238214	51.133	ug/l	99
70) Styrene	10.70	104	420191	52.474	ug/l	100
71) Bromoform	10.84	173	127038	54.038	ug/l #	99
73) Isopropylbenzene	11.01	105	634424	49.887	ug/l	99
74) N-amyl acetate	10.88	43	276729	47.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	187409	58.800	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	201839m	50.030	ug/l	
77) Bromobenzene	11.24	156	167083	50.092	ug/l	97
78) n-propylbenzene	11.34	91	720357	50.701	ug/l	99
79) 2-Chlorotoluene	11.40	91	437114	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	548820	51.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	80040	48.803	ug/l	99
82) 4-Chlorotoluene	11.49	91	512925	50.084	ug/l	100
83) tert-Butylbenzene	11.76	119	500114	55.120	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	551614	51.366	ug/l	99
85) sec-Butylbenzene	11.93	105	605580	53.205	ug/l	100
86) p-Isopropyltoluene	12.05	119	563284	52.831	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	293549	50.798	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	297797	50.388	ug/l	99
89) n-Butylbenzene	12.37	91	469971	52.920	ug/l	99
90) Hexachloroethane	12.58	117	97842	53.128	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	282892	50.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	51290	49.682	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	205785	55.344	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	83409	57.134	ug/l	98
95) Naphthalene	13.82	128	669147	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	200492	55.038	ug/l	98

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

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