

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017011.D
 Acq On : 29 Jun 2020 16:06
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:12:24 AM

Quant Time: Jun 29 17:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 16:54:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	271979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	442208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	536009	159.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.72%	
35) Dibromofluoromethane	5.47	113	439994	157.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.58%	
50) Toluene-d8	8.70	98	1674031	161.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.68%	
62) 4-Bromofluorobenzene	11.12	95	685857	169.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	339.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	414302	157.455	ug/l	100
3) Chloromethane	1.31	50	503062	157.948	ug/l	100
4) Vinyl Chloride	1.39	62	446825	151.207	ug/l	99
5) Bromomethane	1.62	94	215693	138.155	ug/l	97
6) Chloroethane	1.69	64	254636	145.901	ug/l	100
7) Trichlorofluoromethane	1.90	101	648300	148.339	ug/l	99
8) Diethyl Ether	2.17	74	231189	144.905	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	384904	146.944	ug/l	98
10) Methyl Iodide	2.48	142	548341	162.234	ug/l	99
11) Tert butyl alcohol	3.04	59	508125	794.386	ug/l	100
12) 1,1-Dichloroethene	2.35	96	390183	145.004	ug/l	99
13) Acrolein	2.28	56	309125	808.450	ug/l	100
14) Allyl chloride	2.70	41	730668	146.930	ug/l	100
15) Acrylonitrile	3.12	53	1169969	760.867	ug/l	100
16) Acetone	2.43	43	918609	732.362	ug/l	100
17) Carbon Disulfide	2.54	76	1171127	142.096	ug/l	100
18) Methyl Acetate	2.75	43	483942	147.796	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1384934	153.353	ug/l	100
20) Methylene Chloride	2.83	84	441232	137.630	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	438609	146.881	ug/l	98
22) Diisopropyl ether	3.83	45	1376849	149.592	ug/l	91
23) Vinyl Acetate	3.79	43	6137235	775.972	ug/l	100
24) 1,1-Dichloroethane	3.67	63	778786	148.708	ug/l	99
25) 2-Butanone	4.64	43	1621996	776.073	ug/l	100
26) 2,2-Dichloropropane	4.55	77	672693	144.665	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	496612	146.775	ug/l	99
28) Bromochloromethane	4.98	49	372226	146.060	ug/l	99
29) Tetrahydrofuran	5.09	42	1057491	765.793	ug/l	99
30) Chloroform	5.18	83	789706	147.100	ug/l	99
31) Cyclohexane	5.54	56	704219	155.568	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	736090	148.881	ug/l	99
36) 1,1-Dichloropropene	5.77	75	618300	147.940	ug/l	100
37) Ethyl Acetate	4.80	43	640525	151.050	ug/l	100
38) Carbon Tetrachloride	5.75	117	677378	147.150	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	737813	158.665	ug/l	98
40) Benzene	6.11	78	1818354	148.077	ug/l	98
41) Methacrylonitrile	5.01	41	358772	150.325	ug/l	98
42) 1,2-Dichloroethane	6.17	62	653670	147.371	ug/l	100
43) Isopropyl Acetate	6.42	43	1110101	157.541	ug/l	100
44) Trichloroethene	7.19	130	522748	141.335	ug/l	99
45) 1,2-Dichloropropane	7.49	63	473460	150.116	ug/l	99
46) Dibromomethane	7.64	93	324659	150.774	ug/l	99
47) Bromodichloromethane	7.88	83	676569	152.466	ug/l	96
48) Methyl methacrylate	7.75	41	557335	166.482	ug/l	100
49) 1,4-Dioxane	7.72	88	237278	3128.600	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3358291	799.525	ug/l	100
52) Toluene	8.77	92	1172783	152.969	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	796074	162.595	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	816439	155.556	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	477092	152.307	ug/l	98
56) Ethyl methacrylate	9.16	69	771575	173.057	ug/l	99
57) 1,3-Dichloropropane	9.35	76	802669	151.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1904806	858.429	ug/l	99
59) 2-Hexanone	9.48	43	2488072	811.064	ug/l	100
60) Dibromochloromethane	9.57	129	586372	161.171	ug/l	100
61) 1,2-Dibromoethane	9.65	107	527197	156.576	ug/l	100
64) Tetrachloroethene	9.32	164	471642	134.021	ug/l	98
65) Chlorobenzene	10.12	112	1336176	148.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	529117	152.555	ug/l	100
67) Ethyl Benzene	10.24	91	2342318	155.847	ug/l	98
68) m/p-Xylenes	10.34	106	1782481	308.874	ug/l	99
69) o-Xylene	10.68	106	880994	160.477	ug/l	99
70) Styrene	10.70	104	1524142	163.034	ug/l	99
71) Bromoform	10.84	173	443245	161.157	ug/l #	99
73) Isopropylbenzene	11.00	105	2317443	156.641	ug/l	99
74) N-amyl acetate	10.88	43	1036535	164.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	694041	149.136	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	633375m	113.866	ug/l	
77) Bromobenzene	11.24	156	602789	148.248	ug/l	99
78) n-propylbenzene	11.35	91	2674096	159.837	ug/l	100
79) 2-Chlorotoluene	11.40	91	1548503	152.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1965172	160.138	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	273975	159.740	ug/l	99
82) 4-Chlorotoluene	11.49	91	1861452	153.786	ug/l	99
83) tert-Butylbenzene	11.76	119	1924999	159.796	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2015080	161.858	ug/l	99
85) sec-Butylbenzene	11.93	105	2286150	161.447	ug/l	99
86) p-Isopropyltoluene	12.05	119	2114527	160.407	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1075302	145.609	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	1075698	144.837	ug/l	99
89) n-Butylbenzene	12.37	91	1878449	159.590	ug/l	100
90) Hexachloroethane	12.58	117	406208	156.260	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	1017986	147.472	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	170859	153.903	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	743349	157.771	ug/l	99
94) Hexachlorobutadiene	13.77	225	280709	147.305	ug/l	96
95) Naphthalene	13.82	128	2414511	168.565	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	724131	158.812	ug/l	99

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

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