

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016936.D
 Acq On : 23 Jun 2020 17:39
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:38 AM

Quant Time: Jun 24 00:27:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 00:11:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	176884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	324723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	347522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	153657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	275813	98.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.20%	
35) Dibromofluoromethane	5.46	113	233424	105.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.10%	
50) Toluene-d8	8.70	98	764221	97.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.98%	
62) 4-Bromofluorobenzene	11.12	95	328363	104.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	242301	117.464	ug/l	99
3) Chloromethane	1.32	50	207266	106.731	ug/l	99
4) Vinyl Chloride	1.39	62	211626	108.994	ug/l	99
5) Bromomethane	1.62	94	104970	100.530	ug/l	98
6) Chloroethane	1.70	64	143457	102.015	ug/l	99
7) Trichlorofluoromethane	1.91	101	366859	107.118	ug/l	96
8) Diethyl Ether	2.17	74	134561	103.332	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	206007	107.859	ug/l	100
10) Methyl Iodide	2.49	142	283861	115.222	ug/l	99
11) Tert butyl alcohol	3.02	59	331721	564.791	ug/l	99
12) 1,1-Dichloroethene	2.35	96	196480	109.271	ug/l	98
13) Acrolein	2.28	56	188432	608.835	ug/l	99
14) Allyl chloride	2.71	41	456486	110.949	ug/l	99
15) Acrylonitrile	3.12	53	725711	565.645	ug/l	100
16) Acetone	2.42	43	575938	542.480	ug/l	98
17) Carbon Disulfide	2.55	76	582718	103.053	ug/l	97
18) Methyl Acetate	2.75	43	381250	108.443	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	864233	111.192	ug/l	98
20) Methylene Chloride	2.83	84	264882	100.015	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	242605	108.221	ug/l	99
22) Diisopropyl ether	3.82	45	897194	123.965	ug/l	99
23) Vinyl Acetate	3.79	43	3745892	640.853	ug/l	99
24) 1,1-Dichloroethane	3.67	63	458963	110.125	ug/l	99
25) 2-Butanone	4.64	43	973152	580.815	ug/l	100
26) 2,2-Dichloropropane	4.56	77	390857	106.679	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	271015	107.478	ug/l	98
28) Bromochloromethane	4.98	49	225610	104.226	ug/l	99
29) Tetrahydrofuran	5.09	42	639501	621.660	ug/l	100
30) Chloroform	5.18	83	479281	109.162	ug/l	98
31) Cyclohexane	5.55	56	325210	97.947	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	420885	109.347	ug/l	99
36) 1,1-Dichloropropene	5.77	75	290120	93.686	ug/l	99
37) Ethyl Acetate	4.80	43	356382	104.743	ug/l	99
38) Carbon Tetrachloride	5.76	117	320622	96.822	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	369425	108.244	ug/l	95
40) Benzene	6.12	78	861324	97.076	ug/l	99
41) Methacrylonitrile	5.01	41	217590	109.780	ug/l	99
42) 1,2-Dichloroethane	6.17	62	345792	94.949	ug/l	100
43) Isopropyl Acetate	6.42	43	637091	107.466	ug/l	100
44) Trichloroethene	7.19	130	274680	110.601	ug/l	95
45) 1,2-Dichloropropane	7.49	63	277001	112.688	ug/l	99
46) Dibromomethane	7.64	93	189144	111.328	ug/l	99
47) Bromodichloromethane	7.88	83	405913	113.913	ug/l	99
48) Methyl methacrylate	7.74	41	337425	122.407	ug/l	98
49) 1,4-Dioxane	7.71	88	134425	2267.448	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1995465	577.873	ug/l	100
52) Toluene	8.77	92	546191	100.216	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	431799	105.277	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	476251	120.332	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	274643	111.263	ug/l	98
56) Ethyl methacrylate	9.16	69	450491	117.825	ug/l	99
57) 1,3-Dichloropropane	9.35	76	465987	112.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	553805	353.616	ug/l	100
59) 2-Hexanone	9.48	43	1571923	594.475	ug/l	99
60) Dibromochloromethane	9.57	129	315157	116.716	ug/l	100
61) 1,2-Dibromoethane	9.65	107	288546	113.539	ug/l	99
64) Tetrachloroethene	9.32	164	225948	95.780	ug/l	98
65) Chlorobenzene	10.12	112	703975	99.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	271935	98.903	ug/l	100
67) Ethyl Benzene	10.24	91	1265110	99.658	ug/l	100
68) m/p-Xylenes	10.34	106	930030	199.487	ug/l	100
69) o-Xylene	10.68	106	463874	104.161	ug/l	99
70) Styrene	10.70	104	809994	106.869	ug/l	98
71) Bromoform	10.84	173	191026	93.431	ug/l #	99
73) Isopropylbenzene	11.01	105	1131384	99.230	ug/l	100
74) N-amyl acetate	10.88	43	602078	105.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	355369	93.145	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	346792m	78.832	ug/l	
77) Bromobenzene	11.24	156	261702	93.487	ug/l	96
78) n-propylbenzene	11.35	91	1383878	106.464	ug/l	100
79) 2-Chlorotoluene	11.41	91	813213	98.807	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1014454	105.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	149361	101.060	ug/l	100
82) 4-Chlorotoluene	11.49	91	1010764	102.591	ug/l	100
83) tert-Butylbenzene	11.76	119	1045161	111.169	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	931334	97.623	ug/l	100
85) sec-Butylbenzene	11.93	105	1055520	99.523	ug/l	100
86) p-Isopropyltoluene	12.05	119	1039068	105.854	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	517089	102.707	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	466236	92.313	ug/l	97
89) n-Butylbenzene	12.37	91	1005699	108.208	ug/l	99
90) Hexachloroethane	12.58	117	212856	110.386	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	511513	105.436	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	98447	100.518	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	279389	88.157	ug/l	97
94) Hexachlorobutadiene	13.77	225	100153	90.585	ug/l	98
95) Naphthalene	13.82	128	1024648	95.147	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	275376	89.829	ug/l	99

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

