

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016937.D
 Acq On : 23 Jun 2020 18:01
 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
 6/24/2020 10:54:40 AM

Quant Time: Jun 24 00:28:46 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	175648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	299301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	300612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	146818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	416762	150.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.08%	
35) Dibromofluoromethane	5.46	113	315071	153.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.68%	
50) Toluene-d8	8.70	98	1172618	162.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.58%	
62) 4-Bromofluorobenzene	11.12	95	479472	164.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	307930	150.331	ug/l	97
3) Chloromethane	1.31	50	294761	152.854	ug/l	100
4) Vinyl Chloride	1.39	62	305520	158.459	ug/l	98
5) Bromomethane	1.62	94	151330	145.949	ug/l	98
6) Chloroethane	1.69	64	214641	153.710	ug/l	98
7) Trichlorofluoromethane	1.90	101	532694	156.634	ug/l	99
8) Diethyl Ether	2.17	74	198746	153.695	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	274208	144.577	ug/l	100
10) Methyl Iodide	2.49	142	397945	162.667	ug/l	98
11) Tert butyl alcohol	3.04	59	399670	685.270	ug/l	99
12) 1,1-Dichloroethene	2.35	96	268643	150.455	ug/l	97
13) Acrolein	2.28	56	295720	962.212	ug/l	100
14) Allyl chloride	2.70	41	539663	132.088	ug/l	98
15) Acrylonitrile	3.12	53	906384	711.439	ug/l	100
16) Acetone	2.42	43	782395	742.129	ug/l	99
17) Carbon Disulfide	2.54	76	717505	127.783	ug/l	98
18) Methyl Acetate	2.75	43	462321	132.429	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1064061	137.865	ug/l	97
20) Methylene Chloride	2.83	84	322379	122.581	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	298907	134.274	ug/l	97
22) Diisopropyl ether	3.83	45	1133417	157.706	ug/l	89
23) Vinyl Acetate	3.79	43	4773794	822.455	ug/l	99
24) 1,1-Dichloroethane	3.67	63	585698	141.523	ug/l	99
25) 2-Butanone	4.64	43	1277274	767.691	ug/l	99
26) 2,2-Dichloropropane	4.55	77	520617	143.095	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	354834	141.709	ug/l	98
28) Bromochloromethane	4.98	49	293840	136.702	ug/l	99
29) Tetrahydrofuran	5.09	42	835838	818.237	ug/l	100
30) Chloroform	5.18	83	616705	141.451	ug/l	97
31) Cyclohexane	5.55	56	483665	146.696	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	547180	143.159	ug/l	99
36) 1,1-Dichloropropene	5.77	75	427851	149.897	ug/l	100
37) Ethyl Acetate	4.80	43	510740	162.860	ug/l	99
38) Carbon Tetrachloride	5.75	117	467422	153.142	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	468676	148.990	ug/l	97
40) Benzene	6.11	78	1256256	153.614	ug/l	100
41) Methacrylonitrile	5.01	41	292619	160.173	ug/l	99
42) 1,2-Dichloroethane	6.16	62	503758	150.073	ug/l	100
43) Isopropyl Acetate	6.42	43	870986	159.399	ug/l	99
44) Trichloroethene	7.19	130	329911	144.123	ug/l	97
45) 1,2-Dichloropropane	7.49	63	339061	149.651	ug/l	98
46) Dibromomethane	7.64	93	232453	148.441	ug/l	98
47) Bromodichloromethane	7.88	83	515158	156.851	ug/l	99
48) Methyl methacrylate	7.75	41	425344	167.408	ug/l	99
49) 1,4-Dioxane	7.72	88	159899	2926.227	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2663416	836.820	ug/l	99
52) Toluene	8.77	92	808610	160.966	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	593196	156.911	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	592348	162.378	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	349896	153.790	ug/l	99
56) Ethyl methacrylate	9.16	69	579101	164.328	ug/l	99
57) 1,3-Dichloropropane	9.35	76	598722	157.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1425682	987.650	ug/l	98
59) 2-Hexanone	9.48	43	1961710	804.900	ug/l	100
60) Dibromochloromethane	9.57	129	409949	164.717	ug/l	99
61) 1,2-Dibromoethane	9.65	107	370588	158.207	ug/l	99
64) Tetrachloroethene	9.32	164	288707	141.482	ug/l	97
65) Chlorobenzene	10.12	112	904210	147.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	353185	148.499	ug/l	99
67) Ethyl Benzene	10.24	91	1616226	147.184	ug/l	99
68) m/p-Xylenes	10.34	106	1200165	297.602	ug/l	99
69) o-Xylene	10.68	106	594579	154.344	ug/l	100
70) Styrene	10.70	104	1059510	161.604	ug/l	99
71) Bromoform	10.84	173	279807	158.210	ug/l	# 100
73) Isopropylbenzene	11.00	105	1629194	149.547	ug/l	100
74) N-amyl acetate	10.88	43	813822	149.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	520794	142.863	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	481156m	114.470	ug/l	
77) Bromobenzene	11.24	156	374635	140.064	ug/l	99
78) n-propylbenzene	11.35	91	1880932	151.443	ug/l	100
79) 2-Chlorotoluene	11.41	91	1100620	139.957	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1327274	144.659	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	207974	147.273	ug/l	98
82) 4-Chlorotoluene	11.49	91	1318288	140.037	ug/l	100
83) tert-Butylbenzene	11.76	119	1298252	144.521	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1335107	146.466	ug/l	100
85) sec-Butylbenzene	11.93	105	1538948	151.864	ug/l	100
86) p-Isopropyltoluene	12.05	119	1388629	148.054	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	692505	143.957	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	699248	144.897	ug/l	99
89) n-Butylbenzene	12.37	91	1350454	152.070	ug/l	100
90) Hexachloroethane	12.58	117	282712	153.442	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	663066	143.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	132075	141.135	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	448549	148.126	ug/l	99
94) Hexachlorobutadiene	13.77	225	155530	147.224	ug/l	97
95) Naphthalene	13.82	128	1623740	157.801	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	444578	151.778	ug/l	98

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

