

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX030520\
 Data File : VX015106.D
 Acq On : 05 Mar 2020 13:03
 Operator : JC/SP
 Sample : L1161-08 5PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:47:27 PM

Quant Time: Mar 06 04:27:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	314340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	502885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	473189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	211434	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	
35) Dibromofluoromethane	5.49	113	168132	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	630535	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.13	95	220522	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	12713	4.619	ug/l	95
3) Chloromethane	1.32	50	22539	5.781	ug/l	95
4) Vinyl Chloride	1.40	62	20573	5.203	ug/l	95
5) Bromomethane	1.64	94	15206	6.256	ug/l	91
6) Chloroethane	1.72	64	13017	5.489	ug/l	98
7) Trichlorofluoromethane	1.92	101	24769	5.265	ug/l	95
8) Diethyl Ether	2.18	74	13277	6.231	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14234	4.809	ug/l	94
10) Methyl Iodide	2.50	142	12311	3.682	ug/l #	90
11) Tert butyl alcohol	3.03	59	25919	40.059	ug/l	96
12) 1,1-Dichloroethene	2.37	96	14560	4.766	ug/l	99
13) Acrolein	2.28	56	16845	27.703	ug/l	96
14) Allyl chloride	2.72	41	27120	5.092	ug/l	97
15) Acrylonitrile	3.13	53	46194	28.668	ug/l	97
16) Acetone	2.44	43	42907	28.410	ug/l	100
17) Carbon Disulfide	2.56	76	40028	4.719	ug/l	100
18) Methyl Acetate	2.76	43	20533	5.560	ug/l	91
19) Methyl tert-butyl Ether	3.19	73	52721	5.523	ug/l	95
20) Methylene Chloride	2.85	84	19565	5.536	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	16638	5.101	ug/l	95
22) Diisopropyl ether	3.84	45	59678	5.624	ug/l #	88
23) Vinyl Acetate	3.80	43	238800	27.376	ug/l	97
24) 1,1-Dichloroethane	3.69	63	30848	5.238	ug/l	98
25) 2-Butanone	4.66	43	63544	28.739	ug/l	97
26) 2,2-Dichloropropane	4.57	77	23283	4.980	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	19833	5.420	ug/l	96
28) Bromochloromethane	5.00	49	15998	5.965	ug/l	96
29) Tetrahydrofuran	5.12	42	39728	27.874	ug/l	98
30) Chloroform	5.20	83	32956	5.741	ug/l	93
31) Cyclohexane	5.57	56	24562	4.676	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	25251	5.307	ug/l	93
36) 1,1-Dichloropropene	5.79	75	22538	4.848	ug/l	98
37) Ethyl Acetate	4.83	43	24575	5.699	ug/l #	91
38) Carbon Tetrachloride	5.78	117	21130	4.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	23034	4.243	ug/l	99
40) Benzene	6.14	78	69507	5.039	ug/l	98
41) Methacrylonitrile	5.03	41	13081	5.050	ug/l #	95
42) 1,2-Dichloroethane	6.18	62	26707	5.638	ug/l	95
43) Isopropyl Acetate	6.43	43	39249	5.174	ug/l	96
44) Trichloroethene	7.21	130	19773	5.148	ug/l	96
45) 1,2-Dichloropropane	7.51	63	18919	5.299	ug/l	92
46) Dibromomethane	7.65	93	13218	5.682	ug/l	97
47) Bromodichloromethane	7.89	83	23410	5.089	ug/l #	98
48) Methyl methacrylate	7.76	41	20090	5.203	ug/l	95
49) 1,4-Dioxane	7.74	88	8975	107.507	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	122309	27.268	ug/l	100
52) Toluene	8.78	92	43831	5.197	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	23306	4.760	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	27321	4.936	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	18459	5.318	ug/l	98
56) Ethyl methacrylate	9.17	69	25037	5.057	ug/l	98
57) 1,3-Dichloropropane	9.37	76	31830	5.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	67238	24.928	ug/l	100
59) 2-Hexanone	9.49	43	90570	27.243	ug/l	98
60) Dibromochloromethane	9.57	129	17773	4.874	ug/l	97
61) 1,2-Dibromoethane	9.67	107	19521	5.354	ug/l	100
64) Tetrachloroethene	9.33	164	19680	5.030	ug/l	96
65) Chlorobenzene	10.14	112	49570	5.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	16515	4.610	ug/l	95
67) Ethyl Benzene	10.25	91	79575	4.933	ug/l	99
68) m/p-Xylenes	10.35	106	59915	9.762	ug/l	100
69) o-Xylene	10.70	106	28470	4.845	ug/l	97
70) Styrene	10.71	104	47339	4.698	ug/l	99
71) Bromoform	10.85	173	13522	4.868	ug/l #	97
73) Isopropylbenzene	11.01	105	73551	4.745	ug/l	100
74) N-amyl acetate	10.89	43	31117	4.764	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	27495	5.323	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	25045m	5.175	ug/l	
77) Bromobenzene	11.25	156	22376	5.180	ug/l	96
78) n-propylbenzene	11.35	91	84434	4.768	ug/l	100
79) 2-Chlorotoluene	11.42	91	52625	4.976	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	62340	4.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	6667	3.910	ug/l #	76
82) 4-Chlorotoluene	11.51	91	59391	4.754	ug/l	99
83) tert-Butylbenzene	11.76	119	58635	4.700	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	61973	4.781	ug/l	99
85) sec-Butylbenzene	11.94	105	69044	4.584	ug/l	100
86) p-Isopropyltoluene	12.06	119	63023	4.542	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	37140	4.891	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	38323	4.888	ug/l	90
89) n-Butylbenzene	12.39	91	53578	4.341	ug/l	98
90) Hexachloroethane	12.59	117	11332	4.320	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	37762	5.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5138	4.967	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	24552	4.685	ug/l	97
94) Hexachlorobutadiene	13.78	225	11771	4.377	ug/l	95
95) Naphthalene	13.83	128	65612	4.581	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	24946	4.771	ug/l	97

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

