

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036283.D
 Acq On : 23 Jun 2023 10:28
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 23 14:11:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 14:11:06 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	247870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	428202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181138	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	1981	0.867	ug/l	75
3) Chloromethane	1.294	50	4198	1.036	ug/l	98
4) Vinyl Chloride	1.374	62	3779	0.875	ug/l #	84
6) Chloroethane	1.691	64	2709	0.862	ug/l	94
7) Trichlorofluoromethane	1.892	101	5325	0.811	ug/l	95
8) Diethyl Ether	2.130	74	2124	0.838	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	2512	0.891	ug/l	99
10) Methyl Iodide	2.459	142	2369	0.688	ug/l	99
12) 1,1-Dichloroethene	2.325	96	2461	0.890	ug/l #	74
14) Allyl chloride	2.666	41	3908	0.872	ug/l	98
15) Acrylonitrile	3.075	53	7728	4.711	ug/l	95
16) Acetone	2.404	43	7867	5.354	ug/l	95
17) Carbon Disulfide	2.514	76	5547	0.859	ug/l	98
18) Methyl Acetate	2.709	43	6487	1.020	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	7719	0.859	ug/l #	90
20) Methylene Chloride	2.794	84	3502	1.094	ug/l #	78
21) trans-1,2-Dichloroethene	3.093	96	2635	0.912	ug/l #	77
22) Diisopropyl ether	3.757	45	8264	0.905	ug/l	87
23) Vinyl Acetate	3.727	43	25397	3.896	ug/l	97
24) 1,1-Dichloroethane	3.605	63	5087	0.942	ug/l	99
25) 2-Butanone	4.586	43	10427	4.798	ug/l	94
26) 2,2-Dichloropropane	4.483	77	3111	0.828	ug/l	90
27) cis-1,2-Dichloroethene	4.501	96	3075	0.926	ug/l	87
28) Bromochloromethane	4.904	49	2667	1.000	ug/l #	97
29) Tetrahydrofuran	5.025	42	6682	4.788	ug/l	96
30) Chloroform	5.093	83	4952	0.919	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	3938	0.879	ug/l #	50
36) 1,1-Dichloropropene	5.702	75	3748	0.927	ug/l	97
37) Ethyl Acetate	4.721	43	4177	0.972	ug/l #	89
38) Carbon Tetrachloride	5.684	117	3403	0.893	ug/l #	73
39) Methylcyclohexane	7.385	83	4345	0.887	ug/l #	87
40) Benzene	6.037	78	10693	0.924	ug/l #	87
41) Methacrylonitrile	4.934	41	2303	0.974	ug/l #	76
42) 1,2-Dichloroethane	6.086	62	4134	0.934	ug/l	93
43) Isopropyl Acetate	6.342	43	5820	0.863	ug/l	97
44) Trichloroethene	7.123	130	2958	0.937	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	7.434	63	3046	0.955	ug/l	99
46) Dibromomethane	7.580	93	1901	0.864	ug/l	88
47) Bromodichloromethane	7.818	83	3128	0.784	ug/l #	82
48) Methyl methacrylate	7.702	41	2897	0.860	ug/l	93
49) 1,4-Dioxane	7.720	88	463	34.477	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	19551	4.460	ug/l	99
52) Toluene	8.720	92	7038	0.949	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	2485	1.608	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	3348	1.590	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	2904	0.941	ug/l #	91
56) Ethyl methacrylate	9.116	69	3928	0.852	ug/l	95
57) 1,3-Dichloropropane	9.311	76	4607	0.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	9970	3.892	ug/l	97
59) 2-Hexanone	9.433	43	14727	4.581	ug/l	98
60) Dibromochloromethane	9.519	129	2242	0.766	ug/l	94
61) 1,2-Dibromoethane	9.610	107	2751	0.863	ug/l	94
64) Tetrachloroethene	9.269	164	2616	0.952	ug/l	89
65) Chlorobenzene	10.079	112	7539	0.923	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	2375	0.851	ug/l #	65
67) Ethyl Benzene	10.195	91	13309	0.914	ug/l	100
68) m/p-Xylenes	10.299	106	9441	1.682	ug/l	98
69) o-Xylene	10.640	106	4833	0.882	ug/l	98
70) Styrene	10.659	104	7345	0.826	ug/l	96
71) Bromoform	10.799	173	1504	1.944	ug/l #	96
73) Isopropylbenzene	10.963	105	11534	0.851	ug/l	99
74) N-amyl acetate	10.841	43	4369	0.806	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	4483	0.977	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	4400	1.139	ug/l	94
77) Bromobenzene	11.195	156	3046	0.923	ug/l	86
78) n-propylbenzene	11.305	91	13203	0.840	ug/l	97
79) 2-Chlorotoluene	11.366	91	8782	0.937	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	9043	0.796	ug/l	98
82) 4-Chlorotoluene	11.457	91	9443	0.870	ug/l	98
83) tert-Butylbenzene	11.713	119	8891	0.817	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	9487	0.843	ug/l	95
85) sec-Butylbenzene	11.890	105	11174	0.814	ug/l	99
86) p-Isopropyltoluene	12.006	119	9136	0.795	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	5343	0.889	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	5844m	0.948	ug/l	
89) n-Butylbenzene	12.335	91	7949	0.775	ug/l	96
90) Hexachloroethane	12.536	117	1227	3.282	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	5292	0.891	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	675	0.774	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	3234	0.889	ug/l	90
94) Hexachlorobutadiene	13.725	225	1361	0.930	ug/l	97
95) Naphthalene	13.774	128	10057	0.833	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2720	0.776	ug/l	92

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

