

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036290.D
 Acq On : 23 Jun 2023 14:03
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 23 14:58:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 14:56:00 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	211945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	361172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165762	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	2010	1.002	ug/l	91
3) Chloromethane	1.294	50	3684	1.058	ug/l	92
4) Vinyl Chloride	1.374	62	3910	1.027	ug/l	98
6) Chloroethane	1.691	64	2958	1.059	ug/l #	88
7) Trichlorofluoromethane	1.892	101	5594	0.967	ug/l	96
8) Diethyl Ether	2.130	74	2208	0.989	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	2255	0.929	ug/l	87
12) 1,1-Dichloroethene	2.313	96	2366	0.982	ug/l #	71
14) Allyl chloride	2.666	41	3840	0.981	ug/l #	96
15) Acrylonitrile	3.069	53	6577	4.692	ug/l	97
16) Acetone	2.398	43	7990	6.153	ug/l	100
17) Carbon Disulfide	2.508	76	7096	1.200	ug/l	100
18) Methyl Acetate	2.703	43	4966	0.930	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	7178	0.922	ug/l #	83
20) Methylene Chloride	2.788	84	3350	1.198	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	2857	1.112	ug/l #	71
22) Diisopropyl ether	3.751	45	7269	0.927	ug/l #	75
23) Vinyl Acetate	3.721	43	25265	4.439	ug/l	100
24) 1,1-Dichloroethane	3.611	63	4366	0.944	ug/l #	90
25) 2-Butanone	4.574	43	9143	4.900	ug/l	95
26) 2,2-Dichloropropane	4.471	77	3060	0.933	ug/l #	76
27) cis-1,2-Dichloroethene	4.489	96	2890	1.003	ug/l	97
28) Bromochloromethane	4.897	49	2984	1.245	ug/l #	97
29) Tetrahydrofuran	5.013	42	5548	4.671	ug/l	97
30) Chloroform	5.093	83	4513	0.969	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	3726	0.958	ug/l #	51
36) 1,1-Dichloropropene	5.696	75	4009	1.129	ug/l	97
37) Ethyl Acetate	4.708	43	3474	0.960	ug/l #	85
38) Carbon Tetrachloride	5.666	117	3037	0.937	ug/l	93
39) Methylcyclohexane	7.373	83	4383	1.031	ug/l	86
40) Benzene	6.037	78	9926	1.001	ug/l	99
41) Methacrylonitrile	4.922	41	2014	1.003	ug/l #	76
42) 1,2-Dichloroethane	6.086	62	3710	0.984	ug/l	88
43) Isopropyl Acetate	6.342	43	5407	0.937	ug/l	97
44) Trichloroethene	7.129	130	3063	1.110	ug/l	82
45) 1,2-Dichloropropane	7.421	63	2625	0.972	ug/l #	83

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	1874	0.986	ug/l	96
47) Bromodichloromethane	7.818	83	3071	0.893	ug/l #	98
48) Methyl methacrylate	7.696	41	2656	0.923	ug/l	91
49) 1,4-Dioxane	7.714	88	1186m	20.139	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	17126	4.606	ug/l	98
52) Toluene	8.720	92	6098	0.970	ug/l	92
53) t-1,3-Dichloropropene	8.982	75	2767	0.797	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	3430	0.874	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	2496	0.956	ug/l #	87
56) Ethyl methacrylate	9.116	69	3426	0.877	ug/l	97
57) 1,3-Dichloropropane	9.311	76	4398	0.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	9448	4.303	ug/l	100
59) 2-Hexanone	9.433	43	12548	4.621	ug/l	99
60) Dibromochloromethane	9.525	129	2300	0.906	ug/l	89
61) 1,2-Dibromoethane	9.610	107	2817	1.016	ug/l	98
64) Tetrachloroethene	9.269	164	2445	1.026	ug/l #	86
65) Chlorobenzene	10.079	112	7145	1.007	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.165	131	2105	0.878	ug/l #	59
67) Ethyl Benzene	10.195	91	12357	0.980	ug/l	95
68) m/p-Xylenes	10.299	106	9306	1.899	ug/l	97
69) o-Xylene	10.640	106	4412	0.932	ug/l	93
70) Styrene	10.659	104	7178	0.926	ug/l	96
71) Bromoform	10.799	173	1423	0.827	ug/l #	91
73) Isopropylbenzene	10.963	105	11112	0.890	ug/l	97
74) N-amyl acetate	10.842	43	3897	0.789	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4297	1.016	ug/l	91
76) 1,2,3-Trichloropropane	11.238	75	3242m	0.886	ug/l	
77) Bromobenzene	11.201	156	3103	1.010	ug/l	85
78) n-propylbenzene	11.305	91	13282	0.910	ug/l	99
79) 2-Chlorotoluene	11.366	91	8630	0.994	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	9379	0.887	ug/l	100
82) 4-Chlorotoluene	11.457	91	9692	0.959	ug/l	100
83) tert-Butylbenzene	11.713	119	9193	0.907	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	9656	0.923	ug/l	97
85) sec-Butylbenzene	11.890	105	11883	0.925	ug/l	98
86) p-Isopropyltoluene	12.006	119	9967	0.925	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	5777	1.023	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	6008m	1.052	ug/l	
89) n-Butylbenzene	12.335	91	8547	0.891	ug/l	94
90) Hexachloroethane	12.536	117	1438	0.881	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	5612	1.009	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	649	0.808	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	3534	1.032	ug/l	99
94) Hexachlorobutadiene	13.719	225	1623	1.157	ug/l	99
95) Naphthalene	13.774	128	10785	0.953	ug/l	96
96) 1,2,3-Trichlorobenzene	13.957	180	3291	0.985	ug/l	95

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

