

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061623\
 Data File : VX036178.D
 Acq On : 16 Jun 2023 12:03
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 16 14:52:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 14:52:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/16/2023
 Supervised By : Mahesh Dadoda 06/19/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	184016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	334327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	143034	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	2194	0.971	ug/l	88
3) Chloromethane	1.294	50	2555	1.069	ug/l #	88
4) Vinyl Chloride	1.374	62	2373	1.042	ug/l	90
6) Chloroethane	1.691	64	1628	1.105	ug/l	95
7) Trichlorofluoromethane	1.892	101	3877	1.052	ug/l #	82
8) Diethyl Ether	2.136	74	1383	1.009	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	2047	0.974	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	2009	1.011	ug/l #	80
14) Allyl chloride	2.660	41	3862	0.961	ug/l	92
15) Acrylonitrile	3.069	53	6133	4.663	ug/l	95
16) Acetone	2.386	43	9151	1.156	ug/l	96
17) Carbon Disulfide	2.508	76	4732	0.964	ug/l	100
18) Methyl Acetate	2.703	43	5101	0.963	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	7667	0.986	ug/l	97
20) Methylene Chloride	2.788	84	3093	1.222	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	2134	0.967	ug/l	95
22) Diisopropyl ether	3.757	45	7422	0.928	ug/l	90
23) Vinyl Acetate	3.721	43	24278	4.282	ug/l	99
24) 1,1-Dichloroethane	3.611	63	4411	0.998	ug/l #	94
25) 2-Butanone	4.568	43	9916	5.070	ug/l	99
26) 2,2-Dichloropropane	4.477	77	3136	0.912	ug/l #	74
27) cis-1,2-Dichloroethene	4.489	96	2215	0.877	ug/l	78
28) Bromochloromethane	4.904	49	2303	1.000	ug/l #	91
29) Tetrahydrofuran	5.019	42	5650	4.549	ug/l #	80
30) Chloroform	5.086	83	4585	0.985	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	3686	0.934	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	3491	1.045	ug/l	91
37) Ethyl Acetate	4.721	43	4181	1.075	ug/l #	87
38) Carbon Tetrachloride	5.672	117	3021	0.931	ug/l	91
39) Methylcyclohexane	7.379	83	3443	0.957	ug/l	93
40) Benzene	6.031	78	9058	0.965	ug/l	99
41) Methacrylonitrile	4.922	41	2073	0.966	ug/l	94
42) 1,2-Dichloroethane	6.086	62	4445	1.051	ug/l	93
43) Isopropyl Acetate	6.342	43	5174	0.869	ug/l #	97
44) Trichloroethene	7.123	130	2278	0.971	ug/l	74
45) 1,2-Dichloropropane	7.421	63	2430	0.973	ug/l #	73

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Reviewed By : John Carlone 06/16/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	1700	0.956	ug/l	97
47) Bromodichloromethane	7.818	83	3166	0.927	ug/l	100
48) Methyl methacrylate	7.696	41	2811	0.920	ug/l	92
49) 1,4-Dioxane	7.702	88	900	17.595	ug/l #	81
51) 4-Methyl-2-Pentanone	8.574	43	17053	4.536	ug/l	98
52) Toluene	8.714	92	5506	0.936	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	2713	3.016	ug/l #	81
54) cis-1,3-Dichloropropene	8.366	75	2807	2.216	ug/l #	85
55) 1,1,2-Trichloroethane	9.147	97	2269	0.935	ug/l	96
56) Ethyl methacrylate	9.116	69	2724	2.555	ug/l #	81
57) 1,3-Dichloropropane	9.305	76	4245	0.983	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.244	63	8700	4.305	ug/l	95
59) 2-Hexanone	9.433	43	12202	4.365	ug/l	97
60) Dibromochloromethane	9.519	129	2019	0.852	ug/l	87
61) 1,2-Dibromoethane	9.610	107	2192	0.866	ug/l	99
64) Tetrachloroethene	9.269	164	2023	1.053	ug/l	88
65) Chlorobenzene	10.079	112	6488	1.014	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1848	0.837	ug/l #	62
67) Ethyl Benzene	10.195	91	10520	0.921	ug/l	98
68) m/p-Xylenes	10.299	106	7478	1.735	ug/l	90
69) o-Xylene	10.640	106	3719	0.875	ug/l	96
70) Styrene	10.659	104	5957	0.841	ug/l	100
71) Bromoform	10.799	173	1274	3.394	ug/l #	99
73) Isopropylbenzene	10.957	105	9897	0.932	ug/l	95
74) N-amyl acetate	10.842	43	4030	0.840	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	3630	0.999	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	3077m	0.866	ug/l	
77) Bromobenzene	11.195	156	2552	1.026	ug/l	94
78) n-propylbenzene	11.305	91	11252	0.901	ug/l	95
79) 2-Chlorotoluene	11.366	91	7471	0.951	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	7727	0.855	ug/l	96
82) 4-Chlorotoluene	11.457	91	8743	0.956	ug/l	91
83) tert-Butylbenzene	11.713	119	7451	0.867	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	7339	0.814	ug/l	99
85) sec-Butylbenzene	11.890	105	8829	0.825	ug/l	94
86) p-Isopropyltoluene	12.012	119	7217	0.802	ug/l	86
87) 1,3-Dichlorobenzene	11.969	146	4597	0.969	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	5036m	1.053	ug/l	
89) n-Butylbenzene	12.329	91	6714	0.836	ug/l	98
90) Hexachloroethane	12.536	117	1062	2.430	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	4609	0.990	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	631	0.787	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	2272	0.861	ug/l	92
94) Hexachlorobutadiene	13.725	225	1103	1.058	ug/l	93
95) Naphthalene	13.774	128	7332	0.806	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2346	0.887	ug/l	97

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

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