

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
 Data File : VX044236.D
 Acq On : 11 Dec 2024 18:28
 Operator : JC/MD
 Sample : P4368-08 1.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2024

Quant Time: Dec 12 05:36:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 05:32:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
 Supervised By :Mahesh Dadoda 12/12/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	137497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	257478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	122825	50.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	5.385	113	82862	46.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.940%			
50) Toluene-d8	8.647	98	294612	48.969	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.079	95	96341	45.828	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1785	0.840	ug/l	89
3) Chloromethane	1.295	50	1857	0.913	ug/l	92
4) Vinyl Chloride	1.374	62	2002	0.945	ug/l	93
5) Bromomethane	1.593	94	2188	1.456	ug/l	93
6) Chloroethane	1.666	64	1497	1.135	ug/l	90
7) Trichlorofluoromethane	1.868	101	4152	1.001	ug/l	94
8) Diethyl Ether	2.136	74	1600	1.130	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	1448	0.863	ug/l #	80
10) Methyl Iodide	2.447	142	1843	0.833	ug/l #	91
11) Tert butyl alcohol	2.935	59	5882	17.312	ug/l #	71
12) 1,1-Dichloroethene	2.307	96	1495	0.970	ug/l	85
13) Acrolein	2.240	56	2325	4.727	ug/l	96
14) Allyl chloride	2.654	41	2570	1.001	ug/l #	81
15) Acrylonitrile	3.075	53	4233	4.498	ug/l	95
16) Acetone	2.392	43	4372	4.448	ug/l	96
17) Carbon Disulfide	2.502	76	2450	0.836	ug/l	97
18) Methyl Acetate	2.703	43	2708	1.069	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	5530	0.919	ug/l #	81
20) Methylene Chloride	2.782	84	2015	1.092	ug/l #	92
21) trans-1,2-Dichloroethene	3.087	96	1638	1.000	ug/l #	75
22) Diisopropyl ether	3.770	45	5216	0.902	ug/l #	86
23) Vinyl Acetate	3.727	43	17402	3.703	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	3117	0.967	ug/l #	91
25) 2-Butanone	4.587	43	6235	4.462	ug/l	97
26) 2,2-Dichloropropane	4.465	77	2397	0.916	ug/l	87
27) cis-1,2-Dichloroethene	4.495	96	1936	0.931	ug/l	84
28) Bromochloromethane	4.898	49	1506	0.953	ug/l #	86
29) Tetrahydrofuran	5.026	42	4358	4.859	ug/l #	86
30) Chloroform	5.099	83	3233	0.893	ug/l	95
31) Cyclohexane	5.471	56	2544	0.978	ug/l #	92
32) 1,1,1-Trichloroethane	5.397	97	2650	0.882	ug/l #	51
36) 1,1-Dichloropropene	5.708	75	2492	1.081	ug/l #	79
37) Ethyl Acetate	4.751	43	2921	1.025	ug/l #	74
38) Carbon Tetrachloride	5.666	117	2237	0.901	ug/l	91
39) Methylcyclohexane	7.379	83	2536	0.920	ug/l	91
40) Benzene	6.038	78	6779	0.969	ug/l	100

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41) Methacrylonitrile	4.940	41	763	0.504	ug/l #	82
42) 1,2-Dichloroethane	6.099	62	3126	1.084	ug/l	95
43) Isopropyl Acetate	6.355	43	3802	0.854	ug/l #	75
44) Trichloroethene	7.135	130	1705	0.977	ug/l	86
45) 1,2-Dichloropropane	7.428	63	1619	0.905	ug/l #	87
46) Dibromomethane	7.598	93	1135	0.818	ug/l #	88
47) Bromodichloromethane	7.824	83	1904	0.795	ug/l #	89
48) Methyl methacrylate	7.720	41	2487m	1.150	ug/l	
49) 1,4-Dioxane	7.696	88	187	5.217	ug/l #	51
51) 4-Methyl-2-Pentanone	8.580	43	11106	3.878	ug/l	98
52) Toluene	8.714	92	3736	0.850	ug/l	84
53) t-1,3-Dichloropropene	8.988	75	1576	0.672	ug/l	88
54) cis-1,3-Dichloropropene	8.373	75	2016	0.773	ug/l #	85
55) 1,1,2-Trichloroethane	9.159	97	1647	0.943	ug/l	91
56) Ethyl methacrylate	9.129	69	1732	0.628	ug/l #	68
57) 1,3-Dichloropropane	9.318	76	2601	0.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	6297	4.529	ug/l	97
59) 2-Hexanone	9.439	43	7698	3.714	ug/l	97
60) Dibromochloromethane	9.525	129	1296	0.773	ug/l	94
61) 1,2-Dibromoethane	9.616	107	1533	0.863	ug/l	100
64) Tetrachloroethene	9.275	164	1350	0.954	ug/l #	90
65) Chlorobenzene	10.080	112	4398	0.963	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	1299	0.885	ug/l #	62
67) Ethyl Benzene	10.195	91	6952	0.881	ug/l	95
68) m/p-Xylenes	10.299	106	5070	1.751	ug/l	100
69) o-Xylene	10.647	106	2573	0.878	ug/l	96
70) Styrene	10.659	104	4025	0.857	ug/l	98
71) Bromoform	10.805	173	668	0.714	ug/l #	95
73) Isopropylbenzene	10.964	105	6647	1.001	ug/l	97
74) N-amyl acetate	10.848	43	2043	0.666	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.207	83	2596	1.126	ug/l	82
76) 1,2,3-Trichloropropane	11.244	75	2257m	1.166	ug/l	
77) Bromobenzene	11.201	156	1618	1.005	ug/l	96
78) n-propylbenzene	11.305	91	7218	0.984	ug/l	95
79) 2-Chlorotoluene	11.366	91	5210	1.098	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5164	0.938	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	54676	90.753	ug/l #	4
82) 4-Chlorotoluene	11.457	91	5310	1.010	ug/l	93
83) tert-Butylbenzene	11.713	119	5069	0.932	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	5002	0.925	ug/l	96
85) sec-Butylbenzene	11.890	105	5445	0.824	ug/l	93
86) p-Isopropyltoluene	12.012	119	4615	0.839	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	2854	1.015	ug/l	96
88) 1,4-Dichlorobenzene	12.037	146	3133m	1.084	ug/l	
89) n-Butylbenzene	12.335	91	3500	0.757	ug/l	92
90) Hexachloroethane	12.536	117	567	0.707	ug/l	97
91) 1,2-Dichlorobenzene	12.341	146	2818	0.965	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.951	75	360	0.804	ug/l	70
93) 1,2,4-Trichlorobenzene	13.597	180	1486	0.928	ug/l	85
94) Hexachlorobutadiene	13.719	225	610	0.947	ug/l	91
95) Naphthalene	13.780	128	4704	0.753	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1409	0.830	ug/l	83

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

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