

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 11 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	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	74 - 125	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	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.160	85	1939m	1.031	ug/l
3) Chloromethane	1.307	50	2571	1.123	ug/l 94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l 96
6) Chloroethane	1.666	64	1341	2.592	ug/l 91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l 88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l # 37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l # 88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l 85
14) Allyl chloride	2.654	41	3164	1.013	ug/l 90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l 95
16) Acetone	2.380	43	4095	5.188	ug/l 92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l # 88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l 95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l # 87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l # 90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l 96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l # 75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l 99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l # 93
25) 2-Butanone	4.587	43	5660	4.416	ug/l 93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l 76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l 91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l # 75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l 99
30) Chloroform	5.093	83	3132	0.976	ug/l 94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l # 50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l 94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l # 74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l 96
40) Benzene	6.038	78	6963	0.935	ug/l 94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l 84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l # 88
44) Trichloroethene	7.135	130	1487	0.874	ug/l 76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l # 86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) Toluene	8.714	92	3943	0.889	ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l	100
69) o-Xylene	10.640	106	2889	0.942	ug/l	97
70) Styrene	10.659	104	3974	0.804	ug/l	97
71) Bromoform	10.799	173	813	0.721	ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943	ug/l	
77) Bromobenzene	11.201	156	1537	0.928	ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979	ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l	93
90) Hexachloroethane	12.536	117	968	0.866	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l	99
95) Naphthalene	13.780	128	5125	0.783	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l	93

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

