

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045077.D
 Acq On : 28 Feb 2025 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	111989	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82143	46.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.220%		
35) Dibromofluoromethane	5.373	113	65054	49.532	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	8.647	98	237369	49.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.700%		
62) 4-Bromofluorobenzene	11.079	95	79413	50.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70744	50.185	ug/l	96
3) Chloromethane	1.300	50	83018	48.123	ug/l	100
4) Vinyl Chloride	1.374	62	81653	47.712	ug/l	98
5) Bromomethane	1.593	94	31592	46.959	ug/l	98
6) Chloroethane	1.660	64	31648	40.092	ug/l	99
7) Trichlorofluoromethane	1.867	101	111880	49.383	ug/l	98
8) Diethyl Ether	2.136	74	40610	45.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	66640	51.199	ug/l	99
10) Methyl Iodide	2.440	142	76401	46.970	ug/l	98
11) Tert butyl alcohol	2.995	59	71200m	211.016	ug/l	
12) 1,1-Dichloroethene	2.306	96	65383	47.513	ug/l	98
13) Acrolein	2.233	56	101424	260.033	ug/l	99
14) Allyl chloride	2.654	41	121309	49.523	ug/l	99
15) Acrylonitrile	3.062	53	203403	224.925	ug/l	99
16) Acetone	2.386	43	174653	211.319	ug/l	98
17) Carbon Disulfide	2.501	76	175990	48.016	ug/l	97
18) Methyl Acetate	2.703	43	88925	44.725	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	216663	46.929	ug/l	97
20) Methylene Chloride	2.782	84	74677	45.613	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65595	48.249	ug/l	99
22) Diisopropyl ether	3.757	45	240622	48.301	ug/l	93
23) Vinyl Acetate	3.715	43	1044255	251.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130733	46.825	ug/l	99
25) 2-Butanone	4.556	43	286458	230.258	ug/l	100
26) 2,2-Dichloropropane	4.464	77	95125	72.639	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	79716	47.500	ug/l	97
28) Bromochloromethane	4.891	49	61824	46.457	ug/l	98
29) Tetrahydrofuran	5.001	42	187451	224.369	ug/l	100
30) Chloroform	5.086	83	127656	46.017	ug/l	98
31) Cyclohexane	5.458	56	120742	49.820	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	106176	47.389	ug/l	99
36) 1,1-Dichloropropene	5.684	75	88691	49.241	ug/l	99
37) Ethyl Acetate	4.714	43	110594	47.651	ug/l	98
38) Carbon Tetrachloride	5.665	117	90184	49.318	ug/l	97
39) Methylcyclohexane	7.372	83	121207	56.161	ug/l	98
40) Benzene	6.031	78	281425	49.480	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	60396	48.126	ug/l	98
42) 1,2-Dichloroethane	6.080	62	97091	47.405	ug/l	100
43) Isopropyl Acetate	6.336	43	172076	50.139	ug/l	100
44) Trichloroethene	7.116	130	64399	48.221	ug/l	99
45) 1,2-Dichloropropane	7.421	63	70234	48.028	ug/l	99
46) Dibromomethane	7.574	93	50957	49.300	ug/l	98
47) Bromodichloromethane	7.818	83	99834	49.243	ug/l	99
48) Methyl methacrylate	7.689	41	86144	50.032	ug/l	100
49) 1,4-Dioxane	7.659	88	33152	912.798	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	554547	240.651	ug/l	100
52) Toluene	8.714	92	170814	51.187	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	94873	55.975	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108220	54.755	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	64904	47.245	ug/l	98
56) Ethyl methacrylate	9.116	69	107621	51.537	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115487	48.576	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	273540	268.530	ug/l	99
59) 2-Hexanone	9.427	43	403729	241.811	ug/l	99
60) Dibromochloromethane	9.518	129	72136	50.220	ug/l	99
61) 1,2-Dibromoethane	9.604	107	67190	48.992	ug/l	98
64) Tetrachloroethene	9.268	164	54912	49.741	ug/l	94
65) Chlorobenzene	10.073	112	179056	49.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59227	48.762	ug/l	98
67) Ethyl Benzene	10.189	91	323851	50.959	ug/l	98
68) m/p-Xylenes	10.299	106	239135	102.789	ug/l	99
69) o-Xylene	10.640	106	118067	50.318	ug/l	98
70) Styrene	10.652	104	197009	51.891	ug/l	99
71) Bromoform	10.799	173	46267	50.513	ug/l #	97
73) Isopropylbenzene	10.957	105	303194	50.901	ug/l	100
74) N-amyl acetate	10.841	43	145178	51.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101813	46.579	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	83360m	46.931	ug/l	
77) Bromobenzene	11.195	156	69846	49.698	ug/l	98
78) n-propylbenzene	11.299	91	354229	52.644	ug/l	100
79) 2-Chlorotoluene	11.360	91	209700	48.935	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	247465	51.381	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28438	54.791	ug/l	98
82) 4-Chlorotoluene	11.451	91	235030	50.324	ug/l	99
83) tert-Butylbenzene	11.713	119	249434	50.405	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	249084	51.398	ug/l	99
85) sec-Butylbenzene	11.890	105	314975	53.135	ug/l	99
86) p-Isopropyltoluene	12.006	119	256666	53.578	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	126673	50.525	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	126155	49.736	ug/l	99
89) n-Butylbenzene	12.329	91	234896	56.931	ug/l	100
90) Hexachloroethane	12.536	117	44665	51.547	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	126089	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20546	48.248	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	78708	54.961	ug/l	100
94) Hexachlorobutadiene	13.725	225	30769	52.406	ug/l	97
95) Naphthalene	13.774	128	288129	52.367	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	79762	52.796	ug/l	99

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

