

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045338.D
 Acq On : 18 Mar 2025 20:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 01:51:59 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 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	84125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150662	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81893	61.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.400%			
35) Dibromofluoromethane	5.379	113	59737	59.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.600%			
50) Toluene-d8	8.647	98	210146	57.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.080%#			
62) 4-Bromofluorobenzene	11.079	95	72166	59.628	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51601	48.729	ug/l	98
3) Chloromethane	1.301	50	56752	43.793	ug/l	99
4) Vinyl Chloride	1.374	62	58243	45.305	ug/l	98
5) Bromomethane	1.593	94	25260	49.983	ug/l	99
6) Chloroethane	1.660	64	26646	44.936	ug/l	95
7) Trichlorofluoromethane	1.868	101	86733	50.964	ug/l	100
8) Diethyl Ether	2.136	74	31915	47.945	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	56075	57.352	ug/l	99
10) Methyl Iodide	2.441	142	65943	53.969	ug/l	97
11) Tert butyl alcohol	2.989	59	53027	209.210	ug/l	99
12) 1,1-Dichloroethene	2.307	96	54237	52.468	ug/l	93
13) Acrolein	2.239	56	73442	250.658	ug/l	100
14) Allyl chloride	2.654	41	102455	55.680	ug/l	95
15) Acrylonitrile	3.069	53	176272	259.486	ug/l	99
16) Acetone	2.386	43	158918	255.968	ug/l	97
17) Carbon Disulfide	2.502	76	115773	42.049	ug/l	97
18) Methyl Acetate	2.703	43	100760	67.463	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	197477	56.941	ug/l	97
20) Methylene Chloride	2.782	84	64105	52.125	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	54820	53.680	ug/l	94
22) Diisopropyl ether	3.764	45	212818	56.869	ug/l	98
23) Vinyl Acetate	3.721	43	883964	283.056	ug/l	99
24) 1,1-Dichloroethane	3.605	63	118316	56.414	ug/l	98
25) 2-Butanone	4.562	43	247851	265.213	ug/l	97
26) 2,2-Dichloropropane	4.471	77	72453	73.651	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	69546	55.166	ug/l	95
28) Bromochloromethane	4.891	49	55167	55.186	ug/l	98
29) Tetrahydrofuran	5.001	42	159660	254.403	ug/l	99
30) Chloroform	5.087	83	119558	57.373	ug/l	100
31) Cyclohexane	5.458	56	94154	51.717	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	98999	58.821	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75043	54.316	ug/l	98
37) Ethyl Acetate	4.709	43	94554	53.112	ug/l	99
38) Carbon Tetrachloride	5.666	117	80339	57.276	ug/l	98
39) Methylcyclohexane	7.373	83	92874	56.101	ug/l	99
40) Benzene	6.031	78	237509	54.440	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53326	55.396	ug/l	96
42) 1,2-Dichloroethane	6.080	62	94116	59.907	ug/l	98
43) Isopropyl Acetate	6.342	43	150519	57.177	ug/l	99
44) Trichloroethene	7.123	130	55524	54.201	ug/l	99
45) 1,2-Dichloropropane	7.428	63	62993	56.158	ug/l	99
46) Dibromomethane	7.574	93	45001	56.759	ug/l	98
47) Bromodichloromethane	7.818	83	90721	58.336	ug/l	98
48) Methyl methacrylate	7.690	41	76591	57.992	ug/l	95
49) 1,4-Dioxane	7.665	88	25756	924.511	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	490226	277.341	ug/l	100
52) Toluene	8.714	92	143688	56.134	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	78792	60.605	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	90501	59.696	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	58012	55.051	ug/l	98
56) Ethyl methacrylate	9.116	69	94019	58.695	ug/l	95
57) 1,3-Dichloropropane	9.305	76	101382	55.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	245641	314.370	ug/l	100
59) 2-Hexanone	9.427	43	355832	277.843	ug/l	99
60) Dibromochloromethane	9.519	129	62295	56.538	ug/l	98
61) 1,2-Dibromoethane	9.604	107	58284	55.404	ug/l	100
64) Tetrachloroethene	9.269	164	46080	56.125	ug/l	97
65) Chlorobenzene	10.080	112	150788	55.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50844	56.285	ug/l	99
67) Ethyl Benzene	10.189	91	273984	57.969	ug/l	100
68) m/p-Xylenes	10.299	106	199139	115.095	ug/l	97
69) o-Xylene	10.640	106	97145	55.670	ug/l	97
70) Styrene	10.653	104	163347	57.851	ug/l	98
71) Bromoform	10.799	173	38046	55.853	ug/l #	99
73) Isopropylbenzene	10.957	105	257226	57.476	ug/l	99
74) N-amyl acetate	10.842	43	124071	59.082	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89804	54.683	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73684m	55.214	ug/l	
77) Bromobenzene	11.195	156	58108	55.031	ug/l	96
78) n-propylbenzene	11.299	91	297988	58.944	ug/l	98
79) 2-Chlorotoluene	11.360	91	178182	55.342	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210225	58.095	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21020	53.903	ug/l	87
82) 4-Chlorotoluene	11.451	91	204674	58.329	ug/l	99
83) tert-Butylbenzene	11.713	119	211957	57.007	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	211733	58.152	ug/l	100
85) sec-Butylbenzene	11.890	105	266604	59.861	ug/l	99
86) p-Isopropyltoluene	12.006	119	216728	60.215	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	105903	56.221	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	105860	55.548	ug/l	98
89) n-Butylbenzene	12.329	91	193200	62.324	ug/l	100
90) Hexachloroethane	12.536	117	36208	55.617	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	108332	57.330	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18967	59.282	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	63837	59.330	ug/l	99
94) Hexachlorobutadiene	13.725	225	25788	58.460	ug/l	97
95) Naphthalene	13.774	128	242871	58.751	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	67333	59.320	ug/l	99

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

