

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046584.D
 Acq On : 09 Jun 2025 16:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 01:46:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	60364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	102591	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	92877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	31352	29.194	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	58.380%#		
35) Dibromofluoromethane	5.397	113	22968	30.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	60.880%#		
50) Toluene-d8	8.652	98	77151	31.018	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	62.040%#		
62) 4-Bromofluorobenzene	11.079	95	32723	31.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	63.600%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	17603	21.005	ug/l	98
3) Chloromethane	1.306	50	16881	22.130	ug/l	98
4) Vinyl Chloride	1.386	62	17333	22.795	ug/l	98
5) Bromomethane	1.629	94	11099	24.043	ug/l	100
6) Chloroethane	1.703	64	11044	22.385	ug/l	98
7) Trichlorofluoromethane	1.910	101	28130	22.359	ug/l	97
8) Diethyl Ether	2.148	74	9616	21.632	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.349	101	17071	21.537	ug/l	96
10) Methyl Iodide	2.471	142	20547	23.913	ug/l	99
11) Tert butyl alcohol	2.958	59	10310	86.517	ug/l	99
12) 1,1-Dichloroethene	2.337	96	16151	22.536	ug/l	95
13) Acrolein	2.251	56	13314	111.296	ug/l	97
14) Allyl chloride	2.678	41	31781	22.580	ug/l	95
15) Acrylonitrile	3.074	53	52209	115.874	ug/l	99
16) Acetone	2.385	43	42433	103.363	ug/l	94
17) Carbon Disulfide	2.532	76	33062	21.841	ug/l	98
18) Methyl Acetate	2.715	43	29785	23.284	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	57624	22.979	ug/l	97
20) Methylene Chloride	2.806	84	20147	23.384	ug/l	90
21) trans-1,2-Dichloroethene	3.111	96	16760	22.098	ug/l	96
22) Diisopropyl ether	3.769	45	64497	23.243	ug/l #	56
23) Vinyl Acetate	3.733	43	244371	114.064	ug/l	99
24) 1,1-Dichloroethane	3.623	63	36254	23.442	ug/l	98
25) 2-Butanone	4.568	43	60816	101.726	ug/l	98
26) 2,2-Dichloropropane	4.489	77	22496	19.594	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	21833	23.385	ug/l	95
28) Bromochloromethane	4.909	49	22984	31.159	ug/l	99
29) Tetrahydrofuran	5.019	42	38626	102.305	ug/l	98
30) Chloroform	5.110	83	39142	24.155	ug/l	94
31) Cyclohexane	5.482	56	27864	22.318	ug/l	94
32) 1,1,1-Trichloroethane	5.397	97	32086	23.148	ug/l	96
36) 1,1-Dichloropropene	5.702	75	22936	21.283	ug/l	97
37) Ethyl Acetate	4.732	43	25181	23.941	ug/l	98
38) Carbon Tetrachloride	5.690	117	27437	22.730	ug/l	95
39) Methylcyclohexane	7.384	83	27077	21.287	ug/l	98
40) Benzene	6.049	78	72742	23.977	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	14799	22.658	ug/l	94
42) 1,2-Dichloroethane	6.098	62	30253	23.969	ug/l	98
43) Isopropyl Acetate	6.348	43	40797	22.249	ug/l	99
44) Trichloroethene	7.134	130	17319	22.467	ug/l	98
45) 1,2-Dichloropropane	7.433	63	18973	24.228	ug/l	94
46) Dibromomethane	7.586	93	14165	24.045	ug/l	97
47) Bromodichloromethane	7.823	83	29314	24.200	ug/l	94
48) Methyl methacrylate	7.701	41	20211	21.423	ug/l	97
49) 1,4-Dioxane	7.665	88	4845	384.026	ug/l	92
51) 4-Methyl-2-Pentanone	8.573	43	131201	112.598	ug/l	100
52) Toluene	8.720	92	45634	24.484	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	25432	23.417	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	27697	22.937	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	18729	25.031	ug/l	98
56) Ethyl methacrylate	9.116	69	27507	23.889	ug/l	92
57) 1,3-Dichloropropane	9.311	76	32923	24.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	47974	76.491	ug/l	98
59) 2-Hexanone	9.433	43	90734	108.575	ug/l	99
60) Dibromochloromethane	9.524	129	21426	24.344	ug/l	100
61) 1,2-Dibromoethane	9.610	107	18493	23.718	ug/l	97
64) Tetrachloroethene	9.274	164	14216	22.890	ug/l	97
65) Chlorobenzene	10.079	112	51047	23.369	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	17736	24.028	ug/l	100
67) Ethyl Benzene	10.195	91	88252	23.143	ug/l	97
68) m/p-Xylenes	10.299	106	65030	47.011	ug/l	99
69) o-Xylene	10.640	106	31749	23.729	ug/l	99
70) Styrene	10.658	104	54864	23.954	ug/l	97
71) Bromoform	10.798	173	12393	22.020	ug/l #	92
73) Isopropylbenzene	10.963	105	85761	22.064	ug/l	100
74) N-amyl acetate	10.841	43	35287	20.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	28065	22.557	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	22372m	21.361	ug/l	
77) Bromobenzene	11.195	156	20654	22.893	ug/l	98
78) n-propylbenzene	11.304	91	103691	22.040	ug/l	99
79) 2-Chlorotoluene	11.365	91	63166	22.265	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	72770	22.466	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6762	18.624	ug/l	97
82) 4-Chlorotoluene	11.457	91	74236	22.076	ug/l	96
83) tert-Butylbenzene	11.713	119	72660	22.036	ug/l	98
84) 1,2,4-Trimethylbenzene	11.749	105	73353	22.386	ug/l	100
85) sec-Butylbenzene	11.890	105	94058	22.200	ug/l	100
86) p-Isopropyltoluene	12.006	119	75927	21.497	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39285	22.423	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	40325	22.213	ug/l	99
89) n-Butylbenzene	12.329	91	73847	21.290	ug/l	100
90) Hexachloroethane	12.536	117	13098	20.864	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	39513	23.365	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	5476	19.655	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	24645	21.363	ug/l	99
94) Hexachlorobutadiene	13.725	225	10968	20.458	ug/l	97
95) Naphthalene	13.774	128	76750	20.979	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	24652	21.311	ug/l	99

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

