

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102853	50.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.040%			
35) Dibromofluoromethane	5.385	113	88548	57.422	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.840%			
50) Toluene-d8	8.647	98	304112	54.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.780%			
62) 4-Bromofluorobenzene	11.079	95	113978	55.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	76028	48.380	ug/l	98
3) Chloromethane	1.307	50	79515	46.879	ug/l	97
4) Vinyl Chloride	1.386	62	87046	48.124	ug/l	96
5) Bromomethane	1.624	94	55947	54.977	ug/l	94
6) Chloroethane	1.703	64	54382	49.606	ug/l	95
7) Trichlorofluoromethane	1.904	101	133219	48.506	ug/l	99
8) Diethyl Ether	2.142	74	45242	48.000	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	83661	49.654	ug/l	98
10) Methyl Iodide	2.465	142	88832	42.802	ug/l	97
11) Tert butyl alcohol	2.953	59	29491	161.387	ug/l	99
12) 1,1-Dichloroethene	2.331	96	79820	49.096	ug/l	96
13) Acrolein	2.245	56	57281	215.206	ug/l	98
14) Allyl chloride	2.678	41	140691	47.761	ug/l	98
15) Acrylonitrile	3.068	53	171501	208.718	ug/l	98
16) Acetone	2.380	43	160717	236.720	ug/l	100
17) Carbon Disulfide	2.526	76	210892	42.955	ug/l	100
18) Methyl Acetate	2.709	43	75964	44.053	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	221706	43.795	ug/l	98
20) Methylene Chloride	2.800	84	88986	47.130	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	81265	46.714	ug/l	98
22) Diisopropyl ether	3.763	45	276221	48.785	ug/l	95
23) Vinyl Acetate	3.727	43	1025725	227.815	ug/l	99
24) 1,1-Dichloroethane	3.617	63	153162	47.644	ug/l	98
25) 2-Butanone	4.556	43	192307	200.276	ug/l	100
26) 2,2-Dichloropropane	4.483	77	113415	48.372	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	97159	47.538	ug/l	99
28) Bromochloromethane	4.903	49	78857	54.107	ug/l	99
29) Tetrahydrofuran	5.001	42	120800	194.772	ug/l	99
30) Chloroform	5.092	83	152835	47.540	ug/l	99
31) Cyclohexane	5.477	56	135915	44.583	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	128801	45.681	ug/l	99
36) 1,1-Dichloropropene	5.696	75	105506	47.397	ug/l	98
37) Ethyl Acetate	4.714	43	85004	41.370	ug/l	98
38) Carbon Tetrachloride	5.678	117	113228	46.870	ug/l	97
39) Methylcyclohexane	7.379	83	134423	45.890	ug/l	99
40) Benzene	6.037	78	318544	48.353	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	49431	45.126	ug/l	97
42) 1,2-Dichloroethane	6.086	62	107203	46.308	ug/l	99
43) Isopropyl Acetate	6.336	43	135107	42.021	ug/l	98
44) Trichloroethene	7.123	130	80910	48.192	ug/l	99
45) 1,2-Dichloropropane	7.427	63	79517	48.703	ug/l	96
46) Dibromomethane	7.580	93	55387	47.203	ug/l	99
47) Bromodichloromethane	7.818	83	118256	49.386	ug/l	98
48) Methyl methacrylate	7.690	41	71440	44.303	ug/l	98
49) 1,4-Dioxane	7.653	88	16655	718.178	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	392981	204.929	ug/l	100
52) Toluene	8.714	92	196675	48.157	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	107158	48.232	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	124290	49.280	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	71963	47.283	ug/l	99
56) Ethyl methacrylate	9.110	69	100953	44.934	ug/l	99
57) 1,3-Dichloropropane	9.305	76	122836	46.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	330687	283.350	ug/l	100
59) 2-Hexanone	9.427	43	268651	202.642	ug/l	100
60) Dibromochloromethane	9.518	129	86156	48.035	ug/l	99
61) 1,2-Dibromoethane	9.604	107	71933	46.465	ug/l	99
64) Tetrachloroethene	9.269	164	66742	47.404	ug/l	96
65) Chlorobenzene	10.073	112	215552	48.051	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	75076	49.796	ug/l	99
67) Ethyl Benzene	10.189	91	378063	48.234	ug/l	100
68) m/p-Xylenes	10.299	106	284065	97.264	ug/l	100
69) o-Xylene	10.640	106	135294	49.430	ug/l	97
70) Styrene	10.652	104	236143	49.300	ug/l	99
71) Bromoform	10.793	173	53660	46.735	ug/l #	100
73) Isopropylbenzene	10.957	105	357520	48.890	ug/l	99
74) N-amyl acetate	10.841	43	120243	43.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92510	45.306	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75526m	41.531	ug/l	
77) Bromobenzene	11.195	156	86876	49.368	ug/l	99
78) n-propylbenzene	11.299	91	427926	49.267	ug/l	99
79) 2-Chlorotoluene	11.360	91	248376	47.894	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	292581	48.688	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	28348	44.062	ug/l #	94
82) 4-Chlorotoluene	11.451	91	292532	48.334	ug/l	99
83) tert-Butylbenzene	11.713	119	299986	48.293	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	294342	48.751	ug/l	100
85) sec-Butylbenzene	11.884	105	376138	47.912	ug/l	100
86) p-Isopropyltoluene	12.006	119	311570	47.038	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	160760	46.853	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	160966	45.673	ug/l	100
89) n-Butylbenzene	12.329	91	293475	46.664	ug/l	100
90) Hexachloroethane	12.536	117	54354	46.860	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	152655	47.609	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15871	39.371	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	104676	45.919	ug/l	98
94) Hexachlorobutadiene	13.719	225	40681	42.423	ug/l	97
95) Naphthalene	13.774	128	280938	43.258	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	98081	44.974	ug/l	99

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

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