

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046612.D
 Acq On : 10 Jun 2025 18:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 08:09:27 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	5.568	168	48640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	83858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	40021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	40182	46.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.860%		
35) Dibromofluoromethane	5.397	113	31537	51.139	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.280%		
50) Toluene-d8	8.653	98	103313	50.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.620%		
62) 4-Bromofluorobenzene	11.079	95	43301	51.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	27637	40.927	ug/l	97
3) Chloromethane	1.306	50	29682	48.291	ug/l	99
4) Vinyl Chloride	1.386	62	28640	46.743	ug/l	99
5) Bromomethane	1.629	94	17759	47.743	ug/l	96
6) Chloroethane	1.703	64	16209	40.773	ug/l	98
7) Trichlorofluoromethane	1.904	101	42225	41.652	ug/l	95
8) Diethyl Ether	2.148	74	12107	33.801	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.349	101	24909	38.999	ug/l	92
10) Methyl Iodide	2.471	142	34725	50.154	ug/l	96
11) Tert butyl alcohol	2.958	59	13464	140.218	ug/l	98
12) 1,1-Dichloroethene	2.337	96	24810	42.963	ug/l	89
13) Acrolein	2.251	56	12812	127.086	ug/l	98
14) Allyl chloride	2.684	41	46770	41.239	ug/l	95
15) Acrylonitrile	3.074	53	67888	186.991	ug/l	99
16) Acetone	2.391	43	49648	148.012	ug/l	90
17) Carbon Disulfide	2.532	76	69143	56.364	ug/l	100
18) Methyl Acetate	2.715	43	28950	28.086	ug/l	97
19) Methyl tert-butyl Ether	3.129	73	76489	37.854	ug/l	99
20) Methylene Chloride	2.806	84	29431	42.393	ug/l	90
21) trans-1,2-Dichloroethene	3.111	96	27233	44.562	ug/l	97
22) Diisopropyl ether	3.769	45	88251	39.469	ug/l #	51
23) Vinyl Acetate	3.739	43	361939	209.661	ug/l	99
24) 1,1-Dichloroethane	3.623	63	50883	40.831	ug/l	98
25) 2-Butanone	4.568	43	82811	171.905	ug/l	98
26) 2,2-Dichloropropane	4.495	77	33600	36.320	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	32423	43.098	ug/l	93
28) Bromochloromethane	4.915	49	22973	38.650	ug/l	96
29) Tetrahydrofuran	5.019	42	52643	173.039	ug/l	99
30) Chloroform	5.110	83	53782	41.189	ug/l	100
31) Cyclohexane	5.495	56	47473	47.188	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	44561	39.896	ug/l	99
36) 1,1-Dichloropropene	5.708	75	36861	41.845	ug/l	98
37) Ethyl Acetate	4.732	43	34693	40.353	ug/l	100
38) Carbon Tetrachloride	5.690	117	39304	39.836	ug/l	95
39) Methylcyclohexane	7.391	83	45848	44.095	ug/l	94
40) Benzene	6.049	78	108275	43.662	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	19734	36.962	ug/l	94
42) 1,2-Dichloroethane	6.098	62	42433	41.130	ug/l	99
43) Isopropyl Acetate	6.354	43	54400	36.295	ug/l	99
44) Trichloroethene	7.135	130	26782	42.505	ug/l	91
45) 1,2-Dichloropropane	7.439	63	26704	41.719	ug/l	100
46) Dibromomethane	7.586	93	20559	42.694	ug/l	99
47) Bromodichloromethane	7.823	83	41403	41.816	ug/l	98
48) Methyl methacrylate	7.695	41	28989	37.591	ug/l	96
49) 1,4-Dioxane	7.665	88	6874	666.562	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	172338	180.942	ug/l	100
52) Toluene	8.720	92	67847	44.533	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	35629	40.134	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	40682	41.216	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	25403	41.534	ug/l	93
56) Ethyl methacrylate	9.116	69	36847	39.149	ug/l	95
57) 1,3-Dichloropropane	9.311	76	44342	41.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	76202	148.640	ug/l	99
59) 2-Hexanone	9.433	43	122484	179.310	ug/l	98
60) Dibromochloromethane	9.518	129	29394	40.858	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25790	40.465	ug/l	97
64) Tetrachloroethene	9.274	164	21825	43.026	ug/l	93
65) Chlorobenzene	10.079	112	73052	40.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	24084	39.949	ug/l	98
67) Ethyl Benzene	10.195	91	130147	41.787	ug/l	100
68) m/p-Xylenes	10.299	106	97904	86.656	ug/l	99
69) o-Xylene	10.640	106	45765	41.879	ug/l	98
70) Styrene	10.652	104	79888	42.706	ug/l	99
71) Bromoform	10.798	173	17701	38.507	ug/l #	97
73) Isopropylbenzene	10.963	105	123759	39.338	ug/l	99
74) N-amyl acetate	10.841	43	48578	35.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	36629	36.374	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	30317m	35.764	ug/l	
77) Bromobenzene	11.195	156	29389	40.246	ug/l	97
78) n-propylbenzene	11.304	91	149346	39.220	ug/l	99
79) 2-Chlorotoluene	11.359	91	89904	39.153	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	103280	39.396	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	9825	33.433	ug/l	97
82) 4-Chlorotoluene	11.457	91	107405	39.462	ug/l	98
83) tert-Butylbenzene	11.713	119	100848	37.788	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	104653	39.460	ug/l	98
85) sec-Butylbenzene	11.890	105	133095	38.813	ug/l	100
86) p-Isopropyltoluene	12.006	119	110791	38.755	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	55829	39.372	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	56008	38.118	ug/l	98
89) n-Butylbenzene	12.329	91	106246	37.845	ug/l	99
90) Hexachloroethane	12.536	117	17869	35.168	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	52730	38.524	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7478	33.162	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	33650	36.039	ug/l	99
94) Hexachlorobutadiene	13.725	225	15057	34.700	ug/l	98
95) Naphthalene	13.774	128	107938	36.453	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	32994	35.240	ug/l	98

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

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