

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048200.D
 Acq On : 17 Oct 2025 09:35
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	152243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	45441	19.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.540%#		
35) Dibromofluoromethane	5.373	113	35347	19.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.260%#		
50) Toluene-d8	8.634	98	123286	19.003	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	38.000%#		
62) 4-Bromofluorobenzene	11.061	95	44537	18.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	28393	17.769	ug/l	96
3) Chloromethane	1.300	50	34807	17.981	ug/l	96
4) Vinyl Chloride	1.380	62	36678	17.981	ug/l	98
5) Bromomethane	1.624	94	25004	18.725	ug/l	94
6) Chloroethane	1.697	64	23829	18.357	ug/l	93
7) Trichlorofluoromethane	1.898	101	59127	18.467	ug/l	98
8) Diethyl Ether	2.136	74	19758	18.092	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	32626	18.083	ug/l	99
10) Methyl Iodide	2.459	142	35802	16.567	ug/l	96
11) Tert butyl alcohol	2.940	59	13042	83.338	ug/l	100
12) 1,1-Dichloroethene	2.325	96	31576	17.899	ug/l	99
13) Acrolein	2.239	56	30162	91.708	ug/l	98
14) Allyl chloride	2.666	41	57446	18.102	ug/l	98
15) Acrylonitrile	3.056	53	72649	96.879	ug/l	99
16) Acetone	2.373	43	78714	97.833	ug/l	98
17) Carbon Disulfide	2.514	76	99127	18.263	ug/l	100
18) Methyl Acetate	2.703	43	31105	18.981	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	99980	18.814	ug/l	97
20) Methylene Chloride	2.788	84	36931	18.842	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	33933	18.592	ug/l	96
22) Diisopropyl ether	3.751	45	117739	18.948	ug/l	97
23) Vinyl Acetate	3.715	43	445135	95.805	ug/l	99
24) 1,1-Dichloroethane	3.605	63	67274	19.084	ug/l	98
25) 2-Butanone	4.538	43	88683	94.609	ug/l	98
26) 2,2-Dichloropropane	4.465	77	54360	18.041	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40384	18.644	ug/l	99
28) Bromochloromethane	4.885	49	26888	16.547	ug/l	99
29) Tetrahydrofuran	4.995	42	51429	93.427	ug/l	97
30) Chloroform	5.080	83	68996	18.590	ug/l	94
31) Cyclohexane	5.464	56	55383	19.200	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	58321	19.125	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44106	17.386	ug/l	99
37) Ethyl Acetate	4.702	43	38648	19.063	ug/l	97
38) Carbon Tetrachloride	5.666	117	52596	18.063	ug/l	97
39) Methylcyclohexane	7.366	83	52276	18.276	ug/l	99
40) Benzene	6.025	78	137544	18.259	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	20924	19.271	ug/l	96
42) 1,2-Dichloroethane	6.068	62	51415	19.051	ug/l	99
43) Isopropyl Acetate	6.324	43	63854	18.762	ug/l	100
44) Trichloroethene	7.110	130	35880	18.900	ug/l	100
45) 1,2-Dichloropropane	7.415	63	37083	19.451	ug/l	97
46) Dibromomethane	7.568	93	25284	18.432	ug/l	96
47) Bromodichloromethane	7.805	83	56507	19.060	ug/l	99
48) Methyl methacrylate	7.677	41	33005	18.945	ug/l	99
49) 1,4-Dioxane	7.641	88	6318	402.877	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	182185	96.201	ug/l	99
52) Toluene	8.702	92	85262	18.832	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	52066	18.746	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	57193	18.893	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	32118	19.012	ug/l	98
56) Ethyl methacrylate	9.104	69	43616	18.983	ug/l	97
57) 1,3-Dichloropropane	9.293	76	56015	18.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	109951	87.551	ug/l	98
59) 2-Hexanone	9.415	43	127723	96.420	ug/l	98
60) Dibromochloromethane	9.506	129	40353	19.084	ug/l	100
61) 1,2-Dibromoethane	9.592	107	32476	18.749	ug/l	99
64) Tetrachloroethene	9.256	164	29834	18.076	ug/l	96
65) Chlorobenzene	10.061	112	95567	18.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	33146	17.871	ug/l	99
67) Ethyl Benzene	10.177	91	159512	18.078	ug/l	99
68) m/p-Xylenes	10.287	106	122901	37.388	ug/l	100
69) o-Xylene	10.622	106	56391	18.223	ug/l	98
70) Styrene	10.640	104	100737	18.912	ug/l	100
71) Bromoform	10.780	173	24913	18.292	ug/l #	100
73) Isopropylbenzene	10.945	105	147885	18.467	ug/l	99
74) N-amyl acetate	10.829	43	54555	18.261	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42852	18.889	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	32033m	18.220	ug/l	
77) Bromobenzene	11.183	156	36931	18.429	ug/l	98
78) n-propylbenzene	11.286	91	180587	18.596	ug/l	99
79) 2-Chlorotoluene	11.347	91	110822	18.889	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	123979	18.861	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12895	17.959	ug/l	95
82) 4-Chlorotoluene	11.439	91	129814	18.828	ug/l	100
83) tert-Butylbenzene	11.695	119	120319	18.118	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	124103	18.960	ug/l	98
85) sec-Butylbenzene	11.872	105	149810	18.453	ug/l	98
86) p-Isopropyltoluene	11.994	119	126086	18.425	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	68717	18.336	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	70018	18.024	ug/l	97
89) n-Butylbenzene	12.311	91	113088	17.742	ug/l	99
90) Hexachloroethane	12.518	117	25630	17.745	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	64353	18.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7531	18.167	ug/l	90
93) 1,2,4-Trichlorobenzene	13.567	180	36816	17.613	ug/l	99
94) Hexachlorobutadiene	13.707	225	13549	16.807	ug/l	98
95) Naphthalene	13.756	128	99425	18.045	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	33905	17.580	ug/l	96

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

