

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048889.D
 Acq On : 16 Dec 2025 14:43
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/17/2025
 Supervised By :Semsettin Yesilyurt 12/17/2025

Quant Time: Dec 17 02:19:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 02:17:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	85490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	150164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	137447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	68896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	67290	47.089	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.180%		
35) Dibromofluoromethane	5.367	113	54196	48.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	8.635	98	189248	47.493	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.980%		
62) 4-Bromofluorobenzene	11.061	95	65457	45.754	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	43825	44.545	ug/l	100
3) Chloromethane	1.301	50	52808	43.023	ug/l	99
4) Vinyl Chloride	1.380	62	54977	49.211	ug/l	99
5) Bromomethane	1.618	94	37103	49.379	ug/l	96
6) Chloroethane	1.697	64	35413	52.075	ug/l	99
7) Trichlorofluoromethane	1.898	101	80088	49.732	ug/l	97
8) Diethyl Ether	2.136	74	31374	50.072	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	44292	48.753	ug/l	97
10) Methyl Iodide	2.459	142	63902	49.611	ug/l	94
11) Tert butyl alcohol	2.934	59	21250	257.765	ug/l	96
12) 1,1-Dichloroethene	2.325	96	44850	50.230	ug/l	98
13) Acrolein	2.233	56	21594	246.144	ug/l	98
14) Allyl chloride	2.666	41	91707	49.582	ug/l	94
15) Acrylonitrile	3.056	53	113310	251.100	ug/l	98
16) Acetone	2.374	43	75875	252.063	ug/l	99
17) Carbon Disulfide	2.520	76	123917	45.991	ug/l	99
18) Methyl Acetate	2.697	43	48696	50.154	ug/l	93
19) Methyl tert-butyl Ether	3.105	73	161981	50.519	ug/l	97
20) Methylene Chloride	2.788	84	56443	45.399	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	49736	49.581	ug/l	95
22) Diisopropyl ether	3.745	45	206093	50.534	ug/l	93
23) Vinyl Acetate	3.709	43	770165	258.335	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	102694	47.751	ug/l	98
25) 2-Butanone	4.538	43	120990	256.243	ug/l	90
26) 2,2-Dichloropropane	4.465	77	83576	47.502	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	61377	47.790	ug/l	91
28) Bromochloromethane	4.891	49	54732	50.078	ug/l #	74
29) Tetrahydrofuran	4.989	42	85780	253.280	ug/l	90
30) Chloroform	5.080	83	105702	48.768	ug/l	98
31) Cyclohexane	5.458	56	77466	48.256	ug/l	90
32) 1,1,1-Trichloroethane	5.367	97	87744	47.132	ug/l #	95
36) 1,1-Dichloropropene	5.684	75	64209	45.838	ug/l	97
37) Ethyl Acetate	4.696	43	62897	47.007	ug/l #	97
38) Carbon Tetrachloride	5.666	117	74687	44.731	ug/l	93
39) Methylcyclohexane	7.367	83	75102	47.707	ug/l	95
40) Benzene	6.025	78	211599	45.565	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	35699	53.325	ug/l	90
42) 1,2-Dichloroethane	6.068	62	80056	46.516	ug/l	94
43) Isopropyl Acetate	6.318	43	110959	50.008	ug/l #	93
44) Trichloroethene	7.111	130	50733	43.814	ug/l	97
45) 1,2-Dichloropropane	7.415	63	56674	45.094	ug/l	99
46) Dibromomethane	7.568	93	37861	45.972	ug/l	95
47) Bromodichloromethane	7.806	83	85275	46.824	ug/l	96
48) Methyl methacrylate	7.678	41	52706	48.552	ug/l	92
49) 1,4-Dioxane	7.647	88	10001	1011.288	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	309064	248.955	ug/l	96
52) Toluene	8.702	92	131064	47.050	ug/l	96
53) t-1,3-Dichloropropene	8.964	75	85117	48.193	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	95805	50.098	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	51040	47.188	ug/l	95
56) Ethyl methacrylate	9.098	69	75458	51.481	ug/l	91
57) 1,3-Dichloropropane	9.293	76	90269	47.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	228646	260.288	ug/l	93
59) 2-Hexanone	9.415	43	206973	245.156	ug/l	94
60) Dibromochloromethane	9.506	129	63299	47.272	ug/l	99
61) 1,2-Dibromoethane	9.592	107	50730	47.916	ug/l	99
64) Tetrachloroethene	9.256	164	41167	46.574	ug/l	98
65) Chlorobenzene	10.061	112	145862	47.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	54125	49.294	ug/l	99
67) Ethyl Benzene	10.177	91	255809	48.945	ug/l	98
68) m/p-Xylenes	10.287	106	189497	98.453	ug/l	99
69) o-Xylene	10.622	106	93160	49.832	ug/l	99
70) Styrene	10.640	104	159634	50.519	ug/l	99
71) Bromoform	10.781	173	38812	47.311	ug/l #	96
73) Isopropylbenzene	10.945	105	229388	48.793	ug/l	99
74) N-amyl acetate	10.823	43	100137	50.315	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	66890	48.320	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	52998m	34.831	ug/l	
77) Bromobenzene	11.177	156	59770	49.721	ug/l	98
78) n-propylbenzene	11.287	91	286763	50.345	ug/l	98
79) 2-Chlorotoluene	11.348	91	167755	47.705	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	193681	50.159	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	21833	50.056	ug/l #	89
82) 4-Chlorotoluene	11.433	91	198846	49.320	ug/l	99
83) tert-Butylbenzene	11.695	119	194259	48.699	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	197675	50.670	ug/l	99
85) sec-Butylbenzene	11.872	105	245261	49.868	ug/l	99
86) p-Isopropyltoluene	11.988	119	203830	50.567	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	110177	48.848	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	109237	46.170	ug/l	98
89) n-Butylbenzene	12.311	91	195184	50.622	ug/l	98
90) Hexachloroethane	12.518	117	41240	47.552	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	105665	47.385	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	11737	47.380	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	65939	51.435	ug/l	97
94) Hexachlorobutadiene	13.707	225	26667	48.171	ug/l	100
95) Naphthalene	13.756	128	176756	54.580	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	61601	53.476	ug/l	98

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

