

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
 Data File : VX048409.D
 Acq On : 29 Oct 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:16:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	155635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	265505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	42907	19.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.340%#		
35) Dibromofluoromethane	5.373	113	27594	18.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.460%#		
50) Toluene-d8	8.635	98	126497	18.931	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.860%#		
62) 4-Bromofluorobenzene	11.061	95	46359	18.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	29696	18.705	ug/l	99
3) Chloromethane	1.301	50	17139	19.135	ug/l	92
4) Vinyl Chloride	1.380	62	39944	19.306	ug/l	100
5) Bromomethane	1.618	94	16011	21.422	ug/l	98
6) Chloroethane	1.697	64	23758	19.308	ug/l	93
7) Trichlorofluoromethane	1.898	101	61068	19.260	ug/l	98
8) Diethyl Ether	2.136	74	22891	19.976	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	34020	19.075	ug/l	97
10) Methyl Iodide	2.459	142	132951	18.539	ug/l	99
11) Tert butyl alcohol	2.940	59	16744	97.643	ug/l	98
12) 1,1-Dichloroethene	2.325	96	34822	19.222	ug/l	92
13) Acrolein	2.233	56	34708	96.966	ug/l	99
14) Allyl chloride	2.666	41	58890	19.196	ug/l	99
15) Acrylonitrile	3.056	53	74971	96.103	ug/l	100
16) Acetone	2.373	43	48676	95.953	ug/l	90
17) Carbon Disulfide	2.520	76	101385	19.519	ug/l	99
18) Methyl Acetate	2.697	43	30394	17.914	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	112995	19.478	ug/l	99
20) Methylene Chloride	2.788	84	38558	19.718	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	37969	19.733	ug/l	93
22) Diisopropyl ether	3.751	45	125099	19.923	ug/l	97
23) Vinyl Acetate	3.715	43	453379	106.067	ug/l	100
24) 1,1-Dichloroethane	3.605	63	70156	19.687	ug/l	99
25) 2-Butanone	4.538	43	81242	100.249	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58181	18.962	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	44153	19.227	ug/l	99
28) Bromochloromethane	4.891	49	34639	21.448	ug/l	96
29) Tetrahydrofuran	4.989	42	55207	95.658	ug/l	99
30) Chloroform	5.086	83	72660	19.821	ug/l	99
31) Cyclohexane	5.464	56	60266	19.483	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	63038	19.479	ug/l	99
36) 1,1-Dichloropropene	5.684	75	51050	20.082	ug/l	98
37) Ethyl Acetate	4.702	43	42038	19.410	ug/l	99
38) Carbon Tetrachloride	5.666	117	56042	19.094	ug/l	97
39) Methylcyclohexane	7.366	83	60050	18.370	ug/l	98
40) Benzene	6.031	78	154747	19.926	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	21765	19.952	ug/l	99
42) 1,2-Dichloroethane	6.074	62	55126	20.153	ug/l	99
43) Isopropyl Acetate	6.324	43	70480	19.711	ug/l	97
44) Trichloroethene	7.110	130	39126	19.230	ug/l	96
45) 1,2-Dichloropropane	7.415	63	38163	19.677	ug/l	98
46) Dibromomethane	7.568	93	26809	19.745	ug/l	97
47) Bromodichloromethane	7.805	83	56897	19.723	ug/l	100
48) Methyl methacrylate	7.677	41	34546	19.812	ug/l	99
49) 1,4-Dioxane	7.641	88	8028	405.056	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	198117	99.558	ug/l	98
52) Toluene	8.702	92	95778	19.737	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	54135	20.704	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	59288	21.045	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	35297	20.100	ug/l	96
56) Ethyl methacrylate	9.104	69	50195	19.521	ug/l	98
57) 1,3-Dichloropropane	9.293	76	60087	19.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	147643	102.113	ug/l	98
59) 2-Hexanone	9.415	43	131938	101.896	ug/l	99
60) Dibromochloromethane	9.506	129	42810	19.711	ug/l	99
61) 1,2-Dibromoethane	9.592	107	35900	19.761	ug/l	98
64) Tetrachloroethene	9.256	164	36898	19.095	ug/l	98
65) Chlorobenzene	10.061	112	107348	19.419	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	37061	19.709	ug/l	98
67) Ethyl Benzene	10.177	91	181239	19.472	ug/l	100
68) m/p-Xylenes	10.287	106	137786	39.097	ug/l	98
69) o-Xylene	10.628	106	65886	19.564	ug/l	96
70) Styrene	10.640	104	113244	19.850	ug/l	99
71) Bromoform	10.781	173	25652	18.858	ug/l #	99
73) Isopropylbenzene	10.945	105	172017	19.426	ug/l	100
74) N-amyl acetate	10.823	43	61330	19.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	43767	19.513	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	33917m	18.164	ug/l	
77) Bromobenzene	11.183	156	42441	19.402	ug/l	97
78) n-propylbenzene	11.287	91	204115	19.503	ug/l	98
79) 2-Chlorotoluene	11.347	91	121563	19.346	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	141180	19.449	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	9353	18.799	ug/l #	61
82) 4-Chlorotoluene	11.439	91	144766	19.597	ug/l	98
83) tert-Butylbenzene	11.695	119	141031	19.084	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	142497	19.826	ug/l	99
85) sec-Butylbenzene	11.872	105	178477	19.383	ug/l	100
86) p-Isopropyltoluene	11.988	119	150606	19.347	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	79513	19.034	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	79800	18.755	ug/l	98
89) n-Butylbenzene	12.317	91	138220	18.912	ug/l	100
90) Hexachloroethane	12.518	117	25696	18.786	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	74930	19.356	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8210	18.693	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	50064	18.742	ug/l	98
94) Hexachlorobutadiene	13.707	225	20853	18.610	ug/l	97
95) Naphthalene	13.756	128	126677	18.777	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	45847	18.895	ug/l	97

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

