

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039146.D
 Acq On : 24 Sep 2025 10:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 04:42:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	558154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	907128	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	923608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	551620	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	369186	45.702	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	91.400%
35) Dibromofluoromethane	4.500	113	332304	45.567	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	91.140%
50) Toluene-d8	7.236	98	954978	44.587	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	89.180%
62) 4-Bromofluorobenzene	10.002	95	443437	50.291	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	100.580%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	349754	39.585	ug/l	96
3) Chloromethane	1.227	50	407305	42.941	ug/l	100
4) Vinyl Chloride	1.295	62	414391	40.808	ug/l	100
5) Bromomethane	1.494	94	281451	43.967	ug/l	100
6) Chloroethane	1.558	64	272410	45.230	ug/l	97
7) Trichlorofluoromethane	1.722	101	592362	40.292	ug/l	99
8) Diethyl Ether	1.918	74	252704	46.301	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	350274	40.042	ug/l	98
10) Methyl Iodide	2.195	142	408452	49.032	ug/l	100
11) Tert butyl alcohol	2.571	59	439522	257.431	ug/l	98
12) 1,1-Dichloroethene	2.079	96	343170	40.778	ug/l	97
13) Acrolein	2.008	56	82132	277.230	ug/l	99
14) Allyl chloride	2.356	41	678394	45.129	ug/l	97
15) Acrylonitrile	2.674	53	1317414	240.705	ug/l	100
16) Acetone	2.118	43	1249190	250.295	ug/l	99
17) Carbon Disulfide	2.249	76	1032299	40.110	ug/l	99
18) Methyl Acetate	2.378	43	608422	50.833	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	1280541	47.752	ug/l	100
20) Methylene Chloride	2.455	84	433679	49.660	ug/l	100
21) trans-1,2-Dichloroethene	2.700	96	381303	42.561	ug/l	100
22) Diisopropyl ether	3.214	45	1373474	47.754	ug/l	92
23) Vinyl Acetate	3.188	43	6174734	245.419	ug/l	99
24) 1,1-Dichloroethane	3.114	63	738164	41.969	ug/l	100
25) 2-Butanone	3.864	43	1696999	262.339	ug/l	98
26) 2,2-Dichloropropane	3.809	77	608343	39.009	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	451121	45.657	ug/l	99
28) Bromochloromethane	4.143	49	381004	49.069	ug/l	97
29) Tetrahydrofuran	4.233	42	1116689	275.798	ug/l	100
30) Chloroform	4.275	83	808825	44.039	ug/l	100
31) Cyclohexane	4.581	56	584423	40.562	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	652596	41.043	ug/l	99
36) 1,1-Dichloropropene	4.741	75	487252	44.192	ug/l	98
37) Ethyl Acetate	3.973	43	663808	49.616	ug/l	100
38) Carbon Tetrachloride	4.732	117	552633	41.012	ug/l	99
39) Methylcyclohexane	6.047	83	605143	45.449	ug/l	99
40) Benzene	5.005	78	1647897	45.898	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	299616	49.549	ug/l	99
42) 1,2-Dichloroethane	5.037	62	594558	47.262	ug/l	100
43) Isopropyl Acetate	5.191	43	967617	53.044	ug/l	100
44) Trichloroethene	5.828	130	367209	44.323	ug/l	96
45) 1,2-Dichloropropane	6.085	63	431931	48.401	ug/l	98
46) Dibromomethane	6.224	93	328651	48.117	ug/l	99
47) Bromodichloromethane	6.426	83	659260	46.688	ug/l	99
48) Methyl methacrylate	6.294	41	457609	55.340	ug/l	99
49) 1,4-Dioxane	6.291	88	155709	1166.851	ug/l	97
51) 4-Methyl-2-Pentanone	7.146	43	3404796	283.713	ug/l	100
52) Toluene	7.307	92	1016283	48.820	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	638267	51.867	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	697782	51.364	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	453142	48.547	ug/l	98
56) Ethyl methacrylate	7.715	69	630396	56.871	ug/l	100
57) 1,3-Dichloropropane	7.931	76	727051	49.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	1515308	242.405	ug/l	100
59) 2-Hexanone	8.063	43	2528312	260.898	ug/l	99
60) Dibromochloromethane	8.166	129	506709	47.642	ug/l	99
61) 1,2-Dibromoethane	8.272	107	480605	50.348	ug/l	100
64) Tetrachloroethene	7.896	164	320555	41.437	ug/l	99
65) Chlorobenzene	8.802	112	1127747	43.836	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.895	131	407431	43.830	ug/l	100
67) Ethyl Benzene	8.934	91	1844871	47.374	ug/l	100
68) m/p-Xylenes	9.063	106	1502908	99.991	ug/l	100
69) o-Xylene	9.468	106	676401	50.825	ug/l	99
70) Styrene	9.484	104	1276348	45.393	ug/l	99
71) Bromoform	9.651	173	348806	48.038	ug/l #	100
73) Isopropylbenzene	9.857	105	1824633	45.605	ug/l	100
74) N-amyl acetate	9.725	43	854806	53.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.166	83	747109	42.619	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	575337	45.809	ug/l	98
77) Bromobenzene	10.140	156	460599	44.372	ug/l	99
78) n-propylbenzene	10.278	91	2250074	46.182	ug/l	99
79) 2-Chlorotoluene	10.349	91	1358304	46.591	ug/l	99
80) 1,3,5-Trimethylbenzene	10.465	105	1607013	48.324	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	256388	49.007	ug/l	99
82) 4-Chlorotoluene	10.461	91	1605527	47.493	ug/l	99
83) tert-Butylbenzene	10.789	119	1497786	45.168	ug/l	99
84) 1,2,4-Trimethylbenzene	10.838	105	1608644	49.826	ug/l	100
85) sec-Butylbenzene	11.011	105	1967674	44.737	ug/l	99
86) p-Isopropyltoluene	11.165	119	1677532	45.825	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	909637	43.299	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	954565	41.416	ug/l	100
89) n-Butylbenzene	11.580	91	1645246	47.058	ug/l	100
90) Hexachloroethane	11.821	117	343097	38.060	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	862856	43.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	158828	50.345	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	522821	46.468	ug/l	100
94) Hexachlorobutadiene	13.368	225	224298	38.367	ug/l	100
95) Naphthalene	13.426	128	1960806	53.919	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	551841	47.956	ug/l	99

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

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