

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047555.D
 Acq On : 28 Aug 2025 17:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

Quant Time: Aug 29 02:38:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	232122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	421642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164865	46.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.500%		
35) Dibromofluoromethane	5.397	113	128465	44.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.780%		
50) Toluene-d8	8.653	98	455176	44.873	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.740%#		
62) 4-Bromofluorobenzene	11.079	95	174702	45.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	119884	47.161	ug/l	100
3) Chloromethane	1.307	50	133896	48.227	ug/l	98
4) Vinyl Chloride	1.392	62	155045	47.507	ug/l	99
5) Bromomethane	1.624	94	77461	54.874	ug/l	96
6) Chloroethane	1.703	64	97648	47.093	ug/l	93
7) Trichlorofluoromethane	1.904	101	223890	48.232	ug/l	96
8) Diethyl Ether	2.148	74	92084	49.998	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	134926	48.807	ug/l	99
10) Methyl Iodide	2.471	142	228295	49.888	ug/l	96
11) Tert butyl alcohol	2.959	59	86832	265.025	ug/l	98
12) 1,1-Dichloroethene	2.337	96	142611	48.649	ug/l	94
13) Acrolein	2.252	56	147978	225.306	ug/l	99
14) Allyl chloride	2.678	41	266639	49.652	ug/l	99
15) Acrylonitrile	3.081	53	386795	263.824	ug/l	99
16) Acetone	2.392	43	308927	218.830	ug/l	97
17) Carbon Disulfide	2.532	76	416251	47.754	ug/l	99
18) Methyl Acetate	2.715	43	183195	52.635	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	488620	51.067	ug/l	99
20) Methylene Chloride	2.800	84	169565	47.201	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	156146	50.055	ug/l	95
22) Diisopropyl ether	3.770	45	549055	50.765	ug/l #	82
23) Vinyl Acetate	3.733	43	2330054	264.570	ug/l	99
24) 1,1-Dichloroethane	3.623	63	293168	48.782	ug/l	97
25) 2-Butanone	4.568	43	474712	255.514	ug/l	99
26) 2,2-Dichloropropane	4.495	77	211479	48.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	188487	49.592	ug/l	99
28) Bromochloromethane	4.916	49	120997	46.654	ug/l #	100
29) Tetrahydrofuran	5.026	42	300641	260.761	ug/l	100
30) Chloroform	5.111	83	298879	48.839	ug/l	99
31) Cyclohexane	5.483	56	240407	47.965	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	248074	49.755	ug/l	99
36) 1,1-Dichloropropene	5.702	75	199464	48.432	ug/l	99
37) Ethyl Acetate	4.721	43	208471	51.357	ug/l	100
38) Carbon Tetrachloride	5.690	117	211826	46.354	ug/l	99
39) Methylcyclohexane	7.385	83	230935	48.622	ug/l	97
40) Benzene	6.050	78	628380	47.792	ug/l	98

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41) Methacrylonitrile	4.934	41	101518	52.806	ug/l	94
42) 1,2-Dichloroethane	6.092	62	227055	47.970	ug/l	99
43) Isopropyl Acetate	6.348	43	342265	52.474	ug/l	100
44) Trichloroethene	7.135	130	155099	47.609	ug/l	97
45) 1,2-Dichloropropane	7.434	63	159424	48.138	ug/l	99
46) Dibromomethane	7.586	93	118629	48.658	ug/l	100
47) Bromodichloromethane	7.824	83	241714	48.478	ug/l	98
48) Methyl methacrylate	7.696	41	178499	53.199	ug/l	99
49) 1,4-Dioxane	7.678	88	34993	1054.284	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1004153	260.559	ug/l	100
52) Toluene	8.720	92	386661	48.255	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	230264	51.262	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	252515	50.734	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	152583	48.813	ug/l	98
56) Ethyl methacrylate	9.116	69	244410	52.819	ug/l	99
57) 1,3-Dichloropropane	9.311	76	265758	49.106	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	554119	254.383	ug/l	100
59) 2-Hexanone	9.433	43	689739	261.988	ug/l	100
60) Dibromochloromethane	9.519	129	180029	48.210	ug/l	98
61) 1,2-Dibromoethane	9.610	107	160220	50.366	ug/l	99
64) Tetrachloroethene	9.275	164	125439	48.577	ug/l	98
65) Chlorobenzene	10.080	112	436857	48.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	151216	49.421	ug/l	99
67) Ethyl Benzene	10.195	91	741706	48.917	ug/l	98
68) m/p-Xylenes	10.299	106	561404	99.687	ug/l	99
69) o-Xylene	10.640	106	272814	50.288	ug/l	100
70) Styrene	10.653	104	477912	50.769	ug/l	100
71) Bromoform	10.799	173	117364	50.374	ug/l #	100
73) Isopropylbenzene	10.964	105	694905	49.735	ug/l	100
74) N-amyl acetate	10.842	43	298757	51.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	217855	49.325	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	173608m	51.229	ug/l	
77) Bromobenzene	11.195	156	176748	49.450	ug/l	98
78) n-propylbenzene	11.305	91	823059	49.478	ug/l	99
79) 2-Chlorotoluene	11.360	91	499326	48.401	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	572739	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37316	43.790	ug/l	97
82) 4-Chlorotoluene	11.451	91	588305	48.601	ug/l	100
83) tert-Butylbenzene	11.713	119	566804	49.218	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	583144	50.077	ug/l	99
85) sec-Butylbenzene	11.890	105	680901	49.138	ug/l	99
86) p-Isopropyltoluene	12.006	119	573212	49.348	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	319174	47.896	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	326791	47.496	ug/l	99
89) n-Butylbenzene	12.329	91	532675	49.687	ug/l	99
90) Hexachloroethane	12.536	117	104455	48.921	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	309045	47.327	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41557	51.010	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	200160	50.286	ug/l	100
94) Hexachlorobutadiene	13.719	225	66898	48.354	ug/l	98
95) Naphthalene	13.774	128	612501	52.641	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	189849	50.776	ug/l	97

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

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