

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045635.D
 Acq On : 08 Apr 2025 08:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/09/2025
 Supervised By : Mahesh Dadoda 04/09/2025

Quant Time: Apr 09 01:30:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	102556	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	175513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88628	47.256	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.520%		
35) Dibromofluoromethane	5.379	113	60947	48.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.880%		
50) Toluene-d8	8.641	98	208767	48.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.060%		
62) 4-Bromofluorobenzene	11.079	95	80074	50.577	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82377	53.710	ug/l	99
3) Chloromethane	1.301	50	74414	47.227	ug/l	99
4) Vinyl Chloride	1.374	62	70200	48.683	ug/l	98
5) Bromomethane	1.593	94	31611	46.234	ug/l	96
6) Chloroethane	1.666	64	39458	51.576	ug/l	99
7) Trichlorofluoromethane	1.874	101	109606	50.974	ug/l	99
8) Diethyl Ether	2.130	74	34611	47.944	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	65045	51.623	ug/l	99
10) Methyl Iodide	2.447	142	74792	47.589	ug/l	98
11) Tert butyl alcohol	2.971	59	60403	239.647	ug/l	100
12) 1,1-Dichloroethene	2.313	96	60648	49.260	ug/l	93
13) Acrolein	2.233	56	62884	181.175	ug/l	98
14) Allyl chloride	2.654	41	114629	49.070	ug/l	98
15) Acrylonitrile	3.056	53	191988	241.303	ug/l	99
16) Acetone	2.380	43	225342	292.604	ug/l	98
17) Carbon Disulfide	2.502	76	145753	47.932	ug/l	100
18) Methyl Acetate	2.703	43	91430	51.565	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	207770	48.241	ug/l	98
20) Methylene Chloride	2.782	84	67962	47.138	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	59834	47.570	ug/l	99
22) Diisopropyl ether	3.757	45	222069	48.259	ug/l	97
23) Vinyl Acetate	3.715	43	984228	247.556	ug/l	100
24) 1,1-Dichloroethane	3.599	63	124046	47.666	ug/l	99
25) 2-Butanone	4.550	43	288293	255.736	ug/l	99
26) 2,2-Dichloropropane	4.465	77	96168	57.195	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	71964	46.961	ug/l	97
28) Bromochloromethane	4.885	49	61879	49.204	ug/l	99
29) Tetrahydrofuran	4.995	42	170707	233.567	ug/l	99
30) Chloroform	5.080	83	128762	48.085	ug/l	96
31) Cyclohexane	5.458	56	109356	47.533	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	110738	48.873	ug/l	99
36) 1,1-Dichloropropene	5.684	75	83600	49.722	ug/l	98
37) Ethyl Acetate	4.708	43	102926	48.576	ug/l	100
38) Carbon Tetrachloride	5.666	117	95023	52.293	ug/l	96
39) Methylcyclohexane	7.373	83	108177	52.487	ug/l	98
40) Benzene	6.025	78	249998	48.685	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	58849	52.639	ug/l	99
42) 1,2-Dichloroethane	6.074	62	106419	50.176	ug/l	100
43) Isopropyl Acetate	6.330	43	160785	50.067	ug/l	100
44) Trichloroethene	7.117	130	59501	48.751	ug/l	94
45) 1,2-Dichloropropane	7.421	63	63077	49.231	ug/l	97
46) Dibromomethane	7.574	93	48368	49.178	ug/l	98
47) Bromodichloromethane	7.812	83	100153	50.990	ug/l	97
48) Methyl methacrylate	7.684	41	83311	50.245	ug/l	100
49) 1,4-Dioxane	7.653	88	30947	1031.580	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	538521	252.957	ug/l	99
52) Toluene	8.714	92	150361	48.391	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	88771	47.135	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	97741	52.954	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	60362	48.750	ug/l	98
56) Ethyl methacrylate	9.110	69	97374	50.815	ug/l	100
57) 1,3-Dichloropropane	9.305	76	104882	48.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	256466	264.570	ug/l	100
59) 2-Hexanone	9.427	43	401824	254.882	ug/l	99
60) Dibromochloromethane	9.519	129	70772	52.429	ug/l	98
61) 1,2-Dibromoethane	9.604	107	62585	49.932	ug/l	99
64) Tetrachloroethene	9.269	164	53406	49.544	ug/l	99
65) Chlorobenzene	10.073	112	161428	49.480	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	56924	50.257	ug/l	100
67) Ethyl Benzene	10.189	91	296077	50.671	ug/l	100
68) m/p-Xylenes	10.299	106	215524	101.415	ug/l	99
69) o-Xylene	10.640	106	105095	50.200	ug/l	98
70) Styrene	10.652	104	179022	51.811	ug/l	98
71) Bromoform	10.799	173	45129	53.361	ug/l #	99
73) Isopropylbenzene	10.957	105	286927	48.640	ug/l	99
74) N-amyl acetate	10.841	43	134335	47.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91434	44.124	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82126m	45.718	ug/l	
77) Bromobenzene	11.195	156	64594	47.392	ug/l	99
78) n-propylbenzene	11.299	91	336735	49.559	ug/l	100
79) 2-Chlorotoluene	11.360	91	203560	46.863	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	240058	49.213	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26492	50.052	ug/l	98
82) 4-Chlorotoluene	11.451	91	237649	49.070	ug/l	99
83) tert-Butylbenzene	11.713	119	238454	49.376	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	241409	49.308	ug/l	98
85) sec-Butylbenzene	11.890	105	298302	50.291	ug/l	100
86) p-Isopropyltoluene	12.006	119	245321	50.166	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117998	47.560	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	117319	46.643	ug/l	98
89) n-Butylbenzene	12.329	91	226244	53.352	ug/l	100
90) Hexachloroethane	12.536	117	44911	53.439	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	114467	46.406	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21429	49.447	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	67975	49.507	ug/l	98
94) Hexachlorobutadiene	13.725	225	29863	50.474	ug/l	99
95) Naphthalene	13.774	128	242437	47.448	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	68602	47.715	ug/l	100

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

