

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046519.D
 Acq On : 06 Jun 2025 10:18
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:38:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	91899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155168	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	138173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	31177	19.069	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.140%#		
35) Dibromofluoromethane	5.391	113	21913	19.203	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.400%#		
50) Toluene-d8	8.647	98	71915	19.116	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.240%#		
62) 4-Bromofluorobenzene	11.079	95	29923	19.224	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.440%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	24011	18.820	ug/l	97
3) Chloromethane	1.307	50	21532	18.541	ug/l	97
4) Vinyl Chloride	1.386	62	21814	18.843	ug/l	99
5) Bromomethane	1.624	94	15765	22.432	ug/l	98
6) Chloroethane	1.703	64	14119	18.798	ug/l	97
7) Trichlorofluoromethane	1.904	101	38797	20.256	ug/l	95
8) Diethyl Ether	2.148	74	13057	19.294	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.343	101	23928	19.829	ug/l	98
10) Methyl Iodide	2.465	142	24399	18.652	ug/l	98
11) Tert butyl alcohol	2.965	59	16570	91.334	ug/l	98
12) 1,1-Dichloroethene	2.337	96	20232	18.543	ug/l	94
13) Acrolein	2.245	56	20307	111.446	ug/l	98
14) Allyl chloride	2.678	41	40999	19.133	ug/l	96
15) Acrylonitrile	3.075	53	67593	98.540	ug/l	99
16) Acetone	2.386	43	61298	98.314	ug/l	97
17) Carbon Disulfide	2.526	76	45190	19.630	ug/l	100
18) Methyl Acetate	2.715	43	39765	20.419	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	75365	19.741	ug/l	99
20) Methylene Chloride	2.800	84	24863	18.955	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	21333	18.476	ug/l	93
22) Diisopropyl ether	3.770	45	86178	20.399	ug/l #	77
23) Vinyl Acetate	3.733	43	309124	94.776	ug/l	100
24) 1,1-Dichloroethane	3.623	63	46528	19.761	ug/l	99
25) 2-Butanone	4.562	43	86287	94.804	ug/l	99
26) 2,2-Dichloropropane	4.489	77	33782	19.327	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	27631	19.439	ug/l	97
28) Bromochloromethane	4.910	49	21754	19.371	ug/l	99
29) Tetrahydrofuran	5.013	42	53547	93.158	ug/l	100
30) Chloroform	5.105	83	49854	20.208	ug/l	92
31) Cyclohexane	5.483	56	37188	19.565	ug/l	90
32) 1,1,1-Trichloroethane	5.391	97	41583	19.705	ug/l	98
36) 1,1-Dichloropropene	5.702	75	31397	19.262	ug/l	99
37) Ethyl Acetate	4.733	43	32379	20.357	ug/l	98
38) Carbon Tetrachloride	5.684	117	35956	19.695	ug/l	98
39) Methylcyclohexane	7.379	83	35729	18.571	ug/l	96
40) Benzene	6.044	78	93317	20.336	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	20773	21.027	ug/l	96
42) 1,2-Dichloroethane	6.098	62	39768	20.832	ug/l	100
43) Isopropyl Acetate	6.342	43	55054	19.851	ug/l	99
44) Trichloroethene	7.129	130	22094	18.950	ug/l	97
45) 1,2-Dichloropropane	7.434	63	24588	20.760	ug/l	98
46) Dibromomethane	7.586	93	17753	19.924	ug/l	97
47) Bromodichloromethane	7.824	83	38325	20.919	ug/l	100
48) Methyl methacrylate	7.696	41	28189	19.755	ug/l	98
49) 1,4-Dioxane	7.665	88	8127	425.896	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	180974	102.687	ug/l	99
52) Toluene	8.720	92	56537	20.055	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	32552	19.817	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	36009	19.716	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	24130	21.322	ug/l	98
56) Ethyl methacrylate	9.116	69	35137	20.176	ug/l	97
57) 1,3-Dichloropropane	9.305	76	41306	20.653	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	93580	98.650	ug/l	99
59) 2-Hexanone	9.427	43	128964	102.032	ug/l	99
60) Dibromochloromethane	9.519	129	27175	20.414	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23582	19.996	ug/l	99
64) Tetrachloroethene	9.275	164	17890	19.362	ug/l	94
65) Chlorobenzene	10.079	112	63695	19.600	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22188	20.205	ug/l	99
67) Ethyl Benzene	10.195	91	112127	19.765	ug/l	98
68) m/p-Xylenes	10.299	106	82876	40.272	ug/l	97
69) o-Xylene	10.640	106	40415	20.304	ug/l	99
70) Styrene	10.653	104	69469	20.388	ug/l	100
71) Bromoform	10.799	173	16593	19.817	ug/l #	97
73) Isopropylbenzene	10.963	105	110221	20.092	ug/l	100
74) N-amyl acetate	10.842	43	46707	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	36116	20.568	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30039m	19.991	ug/l	
77) Bromobenzene	11.195	156	25827	20.283	ug/l	96
78) n-propylbenzene	11.305	91	133297	20.075	ug/l	100
79) 2-Chlorotoluene	11.360	91	80101	20.005	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	92024	20.131	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9832	19.187	ug/l	99
82) 4-Chlorotoluene	11.451	91	93283	19.655	ug/l	98
83) tert-Butylbenzene	11.713	119	93897	20.178	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	93782	20.279	ug/l	98
85) sec-Butylbenzene	11.890	105	119909	20.054	ug/l	99
86) p-Isopropyltoluene	12.006	119	99196	19.900	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47842	19.349	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	48453	18.912	ug/l	99
89) n-Butylbenzene	12.329	91	94297	19.263	ug/l	99
90) Hexachloroethane	12.536	117	16809	18.972	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	47259	19.801	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7586	19.293	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	30280	18.598	ug/l	98
94) Hexachlorobutadiene	13.725	225	14184	18.746	ug/l	97
95) Naphthalene	13.774	128	98466	19.071	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	30099	18.437	ug/l	99

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

