

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045612.D
 Acq On : 04 Apr 2025 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

Quant Time: Apr 04 23:15:11 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	5.550	168	85138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82670	53.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.200%			
35) Dibromofluoromethane	5.379	113	56569	52.111	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	8.647	98	197196	52.044	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	11.079	95	73960	53.589	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	70554	55.413	ug/l	98
3) Chloromethane	1.301	50	66992	51.215	ug/l	99
4) Vinyl Chloride	1.374	62	62758	52.426	ug/l	100
5) Bromomethane	1.593	94	27181	47.888	ug/l	98
6) Chloroethane	1.660	64	33623	52.941	ug/l	97
7) Trichlorofluoromethane	1.874	101	95181	53.321	ug/l	97
8) Diethyl Ether	2.130	74	31255	52.153	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	54714	52.308	ug/l	97
10) Methyl Iodide	2.447	142	68416	52.438	ug/l	99
11) Tert butyl alcohol	2.977	59	54919	262.467	ug/l	99
12) 1,1-Dichloroethene	2.307	96	52338	51.207	ug/l	98
13) Acrolein	2.233	56	79906	277.315	ug/l	99
14) Allyl chloride	2.654	41	99898	51.513	ug/l	99
15) Acrylonitrile	3.063	53	171334	259.400	ug/l	99
16) Acetone	2.386	43	163950	256.441	ug/l	97
17) Carbon Disulfide	2.502	76	119897	47.496	ug/l	99
18) Methyl Acetate	2.703	43	78297	53.192	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	188306	52.667	ug/l	100
20) Methylene Chloride	2.782	84	60527	50.570	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	52552	50.328	ug/l	96
22) Diisopropyl ether	3.757	45	200863	52.581	ug/l	93
23) Vinyl Acetate	3.721	43	900868	272.946	ug/l	100
24) 1,1-Dichloroethane	3.605	63	110459	51.129	ug/l	99
25) 2-Butanone	4.556	43	247500	264.466	ug/l	99
26) 2,2-Dichloropropane	4.471	77	65840	47.169	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	64347	50.581	ug/l	99
28) Bromochloromethane	4.891	49	54428	52.134	ug/l	98
29) Tetrahydrofuran	5.001	42	156805	258.439	ug/l	99
30) Chloroform	5.087	83	114943	51.706	ug/l	99
31) Cyclohexane	5.465	56	97071	50.825	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	98230	52.222	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74762	51.007	ug/l	99
37) Ethyl Acetate	4.715	43	93994	50.887	ug/l	99
38) Carbon Tetrachloride	5.666	117	81948	51.732	ug/l	99
39) Methylcyclohexane	7.373	83	93403	51.987	ug/l	99
40) Benzene	6.031	78	226354	50.566	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	52881	54.260	ug/l	99
42) 1,2-Dichloroethane	6.086	62	97918	52.961	ug/l	100
43) Isopropyl Acetate	6.336	43	148277	52.965	ug/l	100
44) Trichloroethene	7.123	130	52656	49.490	ug/l	92
45) 1,2-Dichloropropane	7.428	63	58290	52.189	ug/l	99
46) Dibromomethane	7.574	93	44240	51.598	ug/l	99
47) Bromodichloromethane	7.818	83	89032	51.997	ug/l	98
48) Methyl methacrylate	7.690	41	78555	54.347	ug/l	99
49) 1,4-Dioxane	7.659	88	29012	1109.364	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	492034	265.125	ug/l	100
52) Toluene	8.714	92	138848	51.260	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	76398	46.563	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	85044	52.854	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	55358	51.287	ug/l	99
56) Ethyl methacrylate	9.116	69	92002	55.076	ug/l	99
57) 1,3-Dichloropropane	9.305	76	98978	52.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	234594	277.613	ug/l	100
59) 2-Hexanone	9.427	43	364533	265.248	ug/l	100
60) Dibromochloromethane	9.519	129	61224	52.029	ug/l	100
61) 1,2-Dibromoethane	9.604	107	57472	52.598	ug/l	99
64) Tetrachloroethene	9.269	164	46719	48.918	ug/l	98
65) Chlorobenzene	10.073	112	150474	52.058	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51953	51.770	ug/l	99
67) Ethyl Benzene	10.189	91	275567	53.230	ug/l	100
68) m/p-Xylenes	10.299	106	200247	106.350	ug/l	99
69) o-Xylene	10.640	106	97441	52.533	ug/l	97
70) Styrene	10.653	104	166816	54.490	ug/l	100
71) Bromoform	10.799	173	38061	50.795	ug/l #	97
73) Isopropylbenzene	10.957	105	261054	52.583	ug/l	100
74) N-amyl acetate	10.842	43	129211	54.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87453	50.145	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	75131m	49.696	ug/l	
77) Bromobenzene	11.195	156	57832	50.416	ug/l	98
78) n-propylbenzene	11.299	91	305368	53.401	ug/l	100
79) 2-Chlorotoluene	11.360	91	186846	51.111	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	218929	53.329	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	21503	48.272	ug/l	99
82) 4-Chlorotoluene	11.451	91	213346	52.343	ug/l	100
83) tert-Butylbenzene	11.713	119	214808	52.852	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	220401	53.490	ug/l	99
85) sec-Butylbenzene	11.890	105	269384	53.963	ug/l	99
86) p-Isopropyltoluene	12.006	119	219139	53.246	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	105997	50.764	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	105177	49.686	ug/l	99
89) n-Butylbenzene	12.329	91	190734	53.444	ug/l	100
90) Hexachloroethane	12.536	117	37717	53.325	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	106086	51.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20058	54.994	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	59766	51.721	ug/l	98
94) Hexachlorobutadiene	13.725	225	24768	49.741	ug/l	99
95) Naphthalene	13.774	128	229668	53.409	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	62788	51.891	ug/l	99

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

