

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045557.D
 Acq On : 02 Apr 2025 19:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:58:48 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	5.549	168	87707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84589	52.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.480%			
35) Dibromofluoromethane	5.385	113	58421	52.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.840%			
50) Toluene-d8	8.646	98	201922	52.401	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	11.079	95	76816	54.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72119	54.983	ug/l	99
3) Chloromethane	1.306	50	71635	53.161	ug/l	96
4) Vinyl Chloride	1.373	62	64048	51.937	ug/l	99
5) Bromomethane	1.593	94	28812	49.275	ug/l	98
6) Chloroethane	1.666	64	33427	51.090	ug/l	99
7) Trichlorofluoromethane	1.873	101	94519	51.399	ug/l	98
8) Diethyl Ether	2.135	74	30856	49.979	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	54388	50.473	ug/l	98
10) Methyl Iodide	2.440	142	70121	52.171	ug/l	99
11) Tert butyl alcohol	2.983	59	55599	257.933	ug/l	99
12) 1,1-Dichloroethene	2.306	96	52917	50.257	ug/l	99
13) Acrolein	2.233	56	76570	257.954	ug/l	99
14) Allyl chloride	2.654	41	102534	51.323	ug/l	99
15) Acrylonitrile	3.062	53	179928	264.432	ug/l	100
16) Acetone	2.385	43	169581	257.479	ug/l	99
17) Carbon Disulfide	2.501	76	129598	49.835	ug/l	99
18) Methyl Acetate	2.702	43	77903	51.374	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	188726	51.238	ug/l	98
20) Methylene Chloride	2.782	84	63107	51.181	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	54495	50.660	ug/l	95
22) Diisopropyl ether	3.763	45	201521	51.208	ug/l	99
23) Vinyl Acetate	3.721	43	907593	266.929	ug/l	99
24) 1,1-Dichloroethane	3.605	63	111798	50.233	ug/l	100
25) 2-Butanone	4.556	43	259229	268.886	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70928	49.326	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	64944	49.555	ug/l	97
28) Bromochloromethane	4.891	49	55506	51.609	ug/l	100
29) Tetrahydrofuran	5.007	42	164331	262.909	ug/l	99
30) Chloroform	5.086	83	116730	50.972	ug/l	97
31) Cyclohexane	5.464	56	98644	50.136	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	96504	49.801	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75614	50.727	ug/l	99
37) Ethyl Acetate	4.714	43	98230	52.292	ug/l	99
38) Carbon Tetrachloride	5.671	117	82453	51.181	ug/l	97
39) Methylcyclohexane	7.372	83	94922	51.949	ug/l	96
40) Benzene	6.031	78	232178	51.000	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	55648	56.145	ug/l	99
42) 1,2-Dichloroethane	6.080	62	96796	51.479	ug/l	100
43) Isopropyl Acetate	6.342	43	149573	52.535	ug/l	100
44) Trichloroethene	7.122	130	53382	49.334	ug/l	95
45) 1,2-Dichloropropane	7.427	63	58525	51.524	ug/l	97
46) Dibromomethane	7.580	93	45001	51.609	ug/l	99
47) Bromodichloromethane	7.817	83	90156	51.774	ug/l	99
48) Methyl methacrylate	7.689	41	78917	53.685	ug/l	99
49) 1,4-Dioxane	7.665	88	26994	1014.952	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	514156	272.416	ug/l	100
52) Toluene	8.714	92	142383	51.687	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	77198	46.279	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	86755	53.016	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	56499	51.469	ug/l	98
56) Ethyl methacrylate	9.116	69	91690	53.972	ug/l	99
57) 1,3-Dichloropropane	9.305	76	98365	51.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	227139	264.300	ug/l	100
59) 2-Hexanone	9.427	43	384382	275.018	ug/l	99
60) Dibromochloromethane	9.518	129	64110	53.571	ug/l	97
61) 1,2-Dibromoethane	9.610	107	59132	53.213	ug/l	97
64) Tetrachloroethene	9.268	164	46860	48.170	ug/l	99
65) Chlorobenzene	10.079	112	150710	51.188	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	50963	49.857	ug/l	99
67) Ethyl Benzene	10.189	91	278142	52.747	ug/l	99
68) m/p-Xylenes	10.299	106	202256	105.458	ug/l	100
69) o-Xylene	10.640	106	99894	52.873	ug/l	99
70) Styrene	10.652	104	169896	54.484	ug/l	99
71) Bromoform	10.799	173	40094	52.532	ug/l #	98
73) Isopropylbenzene	10.963	105	265408	51.643	ug/l	99
74) N-amyl acetate	10.841	43	128957	52.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89045	49.322	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	76233m	48.711	ug/l	
77) Bromobenzene	11.195	156	60193	50.691	ug/l	98
78) n-propylbenzene	11.298	91	311937	52.696	ug/l	100
79) 2-Chlorotoluene	11.359	91	189531	50.083	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	222860	52.441	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22084	47.891	ug/l	96
82) 4-Chlorotoluene	11.451	91	217008	51.431	ug/l	99
83) tert-Butylbenzene	11.713	119	218592	51.954	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	223065	52.296	ug/l	100
85) sec-Butylbenzene	11.890	105	272790	52.788	ug/l	100
86) p-Isopropyltoluene	12.006	119	225599	52.952	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	107960	49.946	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	107242	48.939	ug/l	99
89) n-Butylbenzene	12.329	91	199418	53.978	ug/l	100
90) Hexachloroethane	12.536	117	39415	53.832	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	108285	50.388	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20287	53.731	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	60893	50.905	ug/l	98
94) Hexachlorobutadiene	13.719	225	25834	50.118	ug/l	97
95) Naphthalene	13.774	128	230079	51.685	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	63931	51.040	ug/l	99

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

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