

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045429.D
 Acq On : 24 Mar 2025 20:42
 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 03/25/2025
 Supervised By : Mahesh Dadoda 03/25/2025

Quant Time: Mar 25 01:41:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	79380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72771	57.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.260%			
35) Dibromofluoromethane	5.379	113	52802	56.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	8.647	98	179910	52.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.320%			
62) 4-Bromofluorobenzene	11.079	95	66953	59.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45997	46.034	ug/l	99
3) Chloromethane	1.307	50	54331	44.431	ug/l	98
4) Vinyl Chloride	1.374	62	50608	41.720	ug/l	99
5) Bromomethane	1.593	94	22956	48.139	ug/l	100
6) Chloroethane	1.666	64	28891	51.635	ug/l	97
7) Trichlorofluoromethane	1.867	101	77611	48.330	ug/l	97
8) Diethyl Ether	2.136	74	28336	45.113	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	48237	52.284	ug/l	97
10) Methyl Iodide	2.441	142	62107	53.868	ug/l	95
11) Tert butyl alcohol	2.983	59	50665	211.839	ug/l	98
12) 1,1-Dichloroethene	2.306	96	47178	48.367	ug/l	92
13) Acrolein	2.233	56	90633	327.822	ug/l	98
14) Allyl chloride	2.654	41	90538	52.145	ug/l	95
15) Acrylonitrile	3.062	53	170299	265.679	ug/l	99
16) Acetone	2.386	43	155486	265.410	ug/l	96
17) Carbon Disulfide	2.501	76	91918	35.381	ug/l	98
18) Methyl Acetate	2.703	43	98571	69.942	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	172724	52.780	ug/l	98
20) Methylene Chloride	2.782	84	57405	49.467	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	47238	49.020	ug/l	97
22) Diisopropyl ether	3.763	45	188400	53.354	ug/l	97
23) Vinyl Acetate	3.721	43	766218	260.018	ug/l	99
24) 1,1-Dichloroethane	3.605	63	103533	52.316	ug/l	99
25) 2-Butanone	4.556	43	238481	270.441	ug/l	97
26) 2,2-Dichloropropane	4.471	77	59898	64.528	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61058	51.328	ug/l	94
28) Bromochloromethane	4.897	49	48365	51.274	ug/l	99
29) Tetrahydrofuran	5.007	42	148894	251.430	ug/l	99
30) Chloroform	5.086	83	107493	54.666	ug/l	97
31) Cyclohexane	5.458	56	80394	46.799	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	86620	54.542	ug/l	97
36) 1,1-Dichloropropene	5.684	75	65568	50.739	ug/l	99
37) Ethyl Acetate	4.714	43	83953	50.417	ug/l	99
38) Carbon Tetrachloride	5.672	117	71248	54.307	ug/l	99
39) Methylcyclohexane	7.373	83	74956	48.408	ug/l	99
40) Benzene	6.031	78	208827	51.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52783	58.623	ug/l	97
42) 1,2-Dichloroethane	6.080	62	87114	59.283	ug/l	96
43) Isopropyl Acetate	6.342	43	134746	54.724	ug/l	99
44) Trichloroethene	7.123	130	48817	50.948	ug/l	92
45) 1,2-Dichloropropane	7.427	63	55529	52.926	ug/l	99
46) Dibromomethane	7.580	93	41248	55.622	ug/l	96
47) Bromodichloromethane	7.818	83	81764	56.211	ug/l	98
48) Methyl methacrylate	7.690	41	71093	57.551	ug/l	94
49) 1,4-Dioxane	7.659	88	26730	1025.803	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	484628	293.128	ug/l	99
52) Toluene	8.714	92	127484	53.247	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	69031	56.767	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	78264	55.193	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	54257	55.047	ug/l	96
56) Ethyl methacrylate	9.116	69	87426	58.353	ug/l	94
57) 1,3-Dichloropropane	9.305	76	93605	54.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	210140	287.528	ug/l	99
59) 2-Hexanone	9.427	43	352647	294.391	ug/l	99
60) Dibromochloromethane	9.518	129	59070	57.318	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54221	55.105	ug/l	98
64) Tetrachloroethene	9.269	164	40631	49.746	ug/l	95
65) Chlorobenzene	10.079	112	139977	51.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	47764	53.151	ug/l	99
67) Ethyl Benzene	10.189	91	250322	53.238	ug/l	98
68) m/p-Xylenes	10.299	106	181238	105.294	ug/l	95
69) o-Xylene	10.640	106	91030	52.437	ug/l	98
70) Styrene	10.652	104	157381	56.029	ug/l	98
71) Bromoform	10.799	173	37887	55.909	ug/l #	97
73) Isopropylbenzene	10.957	105	242935	51.530	ug/l	98
74) N-amyl acetate	10.841	43	116309	52.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	87517	50.588	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72625m	51.660	ug/l	
77) Bromobenzene	11.195	156	56843	51.103	ug/l	97
78) n-propylbenzene	11.299	91	283698	53.271	ug/l	99
79) 2-Chlorotoluene	11.360	91	172828	50.957	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	201673	52.906	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	20287	49.385	ug/l	89
82) 4-Chlorotoluene	11.451	91	196524	53.166	ug/l	98
83) tert-Butylbenzene	11.713	119	201144	51.356	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	204246	53.251	ug/l	98
85) sec-Butylbenzene	11.890	105	253554	54.043	ug/l	99
86) p-Isopropyltoluene	12.006	119	204726	53.996	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	101152	50.976	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	101650	50.634	ug/l	98
89) n-Butylbenzene	12.329	91	182883	56.004	ug/l	99
90) Hexachloroethane	12.536	117	35393	51.608	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	102600	51.543	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18601	55.190	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	59017	52.069	ug/l	99
94) Hexachlorobutadiene	13.725	225	23730	51.066	ug/l	99
95) Naphthalene	13.774	128	223298	51.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	61297	51.264	ug/l	97

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

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