

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045098.D
 Acq On : 28 Feb 2025 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 23:12:43 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	5.550	168	101733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79368	49.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.100%		
35) Dibromofluoromethane	5.379	113	61111	50.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.980%		
50) Toluene-d8	8.647	98	219202	49.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.900%		
62) 4-Bromofluorobenzene	11.079	95	71007	48.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61893	48.332	ug/l	96
3) Chloromethane	1.307	50	70827	45.195	ug/l	96
4) Vinyl Chloride	1.374	62	74859	48.152	ug/l	96
5) Bromomethane	1.593	94	26503	43.366	ug/l	99
6) Chloroethane	1.660	64	31071	43.329	ug/l	96
7) Trichlorofluoromethane	1.861	101	100933	49.043	ug/l	98
8) Diethyl Ether	2.136	74	38500	47.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61197	51.757	ug/l	100
10) Methyl Iodide	2.441	142	77481	52.436	ug/l	97
11) Tert butyl alcohol	3.001	59	58663	191.387	ug/l	99
12) 1,1-Dichloroethene	2.306	96	61068	48.851	ug/l	96
13) Acrolein	2.239	56	92932	262.281	ug/l	100
14) Allyl chloride	2.654	41	112846	50.713	ug/l	99
15) Acrylonitrile	3.068	53	194959	237.322	ug/l	99
16) Acetone	2.392	43	167728	223.399	ug/l	99
17) Carbon Disulfide	2.495	76	159949	48.039	ug/l	98
18) Methyl Acetate	2.709	43	86076	47.656	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	208116	49.622	ug/l	99
20) Methylene Chloride	2.782	84	70283	47.257	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	63435	51.365	ug/l	96
22) Diisopropyl ether	3.763	45	230741	50.987	ug/l	96
23) Vinyl Acetate	3.721	43	981372	259.857	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125852	49.621	ug/l	99
25) 2-Butanone	4.562	43	272874	241.451	ug/l	100
26) 2,2-Dichloropropane	4.465	77	74982	63.029	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76889	50.434	ug/l	98
28) Bromochloromethane	4.891	49	60168	49.771	ug/l	99
29) Tetrahydrofuran	5.007	42	180661	238.042	ug/l	100
30) Chloroform	5.086	83	123972	49.194	ug/l	96
31) Cyclohexane	5.464	56	113565	51.583	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	103034	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	84609	50.969	ug/l	99
37) Ethyl Acetate	4.721	43	103765	48.511	ug/l	99
38) Carbon Tetrachloride	5.672	117	85957	51.004	ug/l	96
39) Methylcyclohexane	7.373	83	110750	55.680	ug/l	99
40) Benzene	6.031	78	266243	50.791	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	58866	50.896	ug/l	99
42) 1,2-Dichloroethane	6.086	62	94209	49.909	ug/l	100
43) Isopropyl Acetate	6.342	43	161644	51.105	ug/l	100
44) Trichloroethene	7.123	130	62206	50.539	ug/l	96
45) 1,2-Dichloropropane	7.427	63	67418	50.023	ug/l	98
46) Dibromomethane	7.580	93	48257	50.658	ug/l	100
47) Bromodichloromethane	7.818	83	93700	50.147	ug/l	99
48) Methyl methacrylate	7.690	41	79010	49.791	ug/l	99
49) 1,4-Dioxane	7.665	88	31583	943.544	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	527009	248.148	ug/l	100
52) Toluene	8.714	92	159122	51.738	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83188	53.255	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	97016	53.261	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	61955	48.933	ug/l	98
56) Ethyl methacrylate	9.116	69	97958	50.898	ug/l	99
57) 1,3-Dichloropropane	9.305	76	107915	49.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	251496	267.883	ug/l	99
59) 2-Hexanone	9.433	43	389623	253.206	ug/l	100
60) Dibromochloromethane	9.519	129	65842	49.736	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62692	49.600	ug/l	97
64) Tetrachloroethene	9.269	164	50788	52.227	ug/l	96
65) Chlorobenzene	10.079	112	164623	51.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53906	50.382	ug/l	99
67) Ethyl Benzene	10.189	91	294898	52.678	ug/l	99
68) m/p-Xylenes	10.299	106	217787	106.271	ug/l	100
69) o-Xylene	10.640	106	105354	50.972	ug/l	100
70) Styrene	10.652	104	177099	52.954	ug/l	100
71) Bromoform	10.799	173	41684	51.664	ug/l #	98
73) Isopropylbenzene	10.957	105	274956	51.833	ug/l	100
74) N-amyl acetate	10.841	43	132916	53.399	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	96646	49.649	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76731m	48.508	ug/l	
77) Bromobenzene	11.195	156	62546	49.973	ug/l	100
78) n-propylbenzene	11.299	91	316831	52.873	ug/l	100
79) 2-Chlorotoluene	11.360	91	189914	49.764	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	221858	51.725	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22598	48.890	ug/l	95
82) 4-Chlorotoluene	11.451	91	213820	51.409	ug/l	100
83) tert-Butylbenzene	11.713	119	222604	50.511	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	226285	52.432	ug/l	100
85) sec-Butylbenzene	11.890	105	280591	53.152	ug/l	99
86) p-Isopropyltoluene	12.006	119	227625	53.355	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	113992	51.054	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	112871	49.967	ug/l	99
89) n-Butylbenzene	12.329	91	202412	55.087	ug/l	99
90) Hexachloroethane	12.536	117	39104	50.675	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	114225	50.999	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19590	51.657	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	69773	54.709	ug/l	99
94) Hexachlorobutadiene	13.725	225	27166	51.956	ug/l	99
95) Naphthalene	13.774	128	267416	54.575	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	72423	53.829	ug/l	100

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

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