

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
 Data File : VX045912.D
 Acq On : 23 Apr 2025 16:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 02:16:00 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	66864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119894	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62751	51.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.640%			
35) Dibromofluoromethane	5.379	113	43345	50.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	144015	48.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.000%			
62) 4-Bromofluorobenzene	11.079	95	55204	51.044	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48866	48.868	ug/l	98
3) Chloromethane	1.306	50	49527	48.212	ug/l	99
4) Vinyl Chloride	1.374	62	46549	49.513	ug/l	100
5) Bromomethane	1.593	94	21942	49.223	ug/l	99
6) Chloroethane	1.672	64	26925	53.981	ug/l	98
7) Trichlorofluoromethane	1.873	101	73919	52.727	ug/l	98
8) Diethyl Ether	2.136	74	24493	52.039	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	43719	53.219	ug/l	97
10) Methyl Iodide	2.446	142	55699	54.359	ug/l	99
11) Tert butyl alcohol	2.971	59	46307	281.792	ug/l	99
12) 1,1-Dichloroethene	2.312	96	41327	51.485	ug/l	99
13) Acrolein	2.233	56	72105	318.633	ug/l	100
14) Allyl chloride	2.654	41	80840	53.078	ug/l	100
15) Acrylonitrile	3.062	53	138554	267.102	ug/l	99
16) Acetone	2.379	43	133428	265.738	ug/l	98
17) Carbon Disulfide	2.501	76	92633	46.724	ug/l	99
18) Methyl Acetate	2.703	43	68397	59.166	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	149615	53.282	ug/l	99
20) Methylene Chloride	2.782	84	48175	51.250	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	42638	51.993	ug/l	99
22) Diisopropyl ether	3.757	45	159308	53.100	ug/l	88
23) Vinyl Acetate	3.721	43	709296	273.637	ug/l	100
24) 1,1-Dichloroethane	3.605	63	89425	52.705	ug/l	99
25) 2-Butanone	4.550	43	199999	272.116	ug/l	100
26) 2,2-Dichloropropane	4.471	77	58160	53.055	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	51699	51.745	ug/l	98
28) Bromochloromethane	4.891	49	41947	51.160	ug/l	99
29) Tetrahydrofuran	5.001	42	127633	267.850	ug/l	100
30) Chloroform	5.086	83	93386	53.490	ug/l	96
31) Cyclohexane	5.464	56	77138	51.426	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	78362	53.045	ug/l	99
36) 1,1-Dichloropropene	5.690	75	58433	50.876	ug/l	99
37) Ethyl Acetate	4.714	43	74531	51.493	ug/l	99
38) Carbon Tetrachloride	5.672	117	67310	54.226	ug/l	98
39) Methylcyclohexane	7.372	83	73765	52.394	ug/l	96
40) Benzene	6.031	78	183640	52.352	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42815	56.063	ug/l	99
42) 1,2-Dichloroethane	6.086	62	78269	54.023	ug/l	98
43) Isopropyl Acetate	6.336	43	118912	54.205	ug/l	99
44) Trichloroethene	7.122	130	42569	51.058	ug/l	92
45) 1,2-Dichloropropane	7.427	63	46397	53.012	ug/l	96
46) Dibromomethane	7.574	93	35819	53.313	ug/l	98
47) Bromodichloromethane	7.817	83	71132	53.015	ug/l	99
48) Methyl methacrylate	7.689	41	62365	55.060	ug/l	99
49) 1,4-Dioxane	7.659	88	24821	1211.199	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	399707	274.851	ug/l	99
52) Toluene	8.714	92	111003	52.297	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	61362	47.669	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	69489	55.112	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	44059	52.091	ug/l	97
56) Ethyl methacrylate	9.116	69	72283	55.220	ug/l	99
57) 1,3-Dichloropropane	9.305	76	78997	53.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	155130	234.271	ug/l	100
59) 2-Hexanone	9.427	43	298132	276.837	ug/l	100
60) Dibromochloromethane	9.518	129	49784	53.990	ug/l	98
61) 1,2-Dibromoethane	9.610	107	46271	54.041	ug/l	100
64) Tetrachloroethene	9.268	164	38854	51.821	ug/l	95
65) Chlorobenzene	10.073	112	118325	52.143	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	41565	52.758	ug/l	98
67) Ethyl Benzene	10.189	91	216192	53.194	ug/l	99
68) m/p-Xylenes	10.299	106	156948	106.176	ug/l	99
69) o-Xylene	10.640	106	78000	53.565	ug/l	99
70) Styrene	10.652	104	130176	54.164	ug/l	98
71) Bromoform	10.799	173	31338	53.273	ug/l #	97
73) Isopropylbenzene	10.957	105	203649	50.988	ug/l	99
74) N-amyl acetate	10.841	43	102335	53.563	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	70354	50.143	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	62014m	50.987	ug/l	
77) Bromobenzene	11.195	156	46703	50.608	ug/l	99
78) n-propylbenzene	11.299	91	237380	51.599	ug/l	99
79) 2-Chlorotoluene	11.360	91	148295	50.422	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	173109	52.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	17029	47.517	ug/l	98
82) 4-Chlorotoluene	11.451	91	168864	51.496	ug/l	100
83) tert-Butylbenzene	11.713	119	171102	52.327	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	174575	52.663	ug/l	99
85) sec-Butylbenzene	11.890	105	213446	53.147	ug/l	100
86) p-Isopropyltoluene	12.006	119	175056	52.870	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	84590	50.355	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	84711	49.741	ug/l	98
89) n-Butylbenzene	12.329	91	150523	52.425	ug/l	100
90) Hexachloroethane	12.536	117	29842	52.443	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	86591	51.847	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16250	55.379	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	48504	52.174	ug/l	98
94) Hexachlorobutadiene	13.725	225	20481	51.126	ug/l	98
95) Naphthalene	13.774	128	182417	52.728	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	50176	51.544	ug/l	99

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

