

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:47:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	114065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87095	52.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	69917	51.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.647	98	262476	51.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	90574	52.355	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79061	49.419	ug/l	99
3) Chloromethane	1.301	50	92827	47.674	ug/l	96
4) Vinyl Chloride	1.374	62	92352	48.959	ug/l	100
5) Bromomethane	1.593	94	28374	50.267	ug/l	95
6) Chloroethane	1.660	64	30841	40.693	ug/l	100
7) Trichlorofluoromethane	1.868	101	116867	48.991	ug/l	100
8) Diethyl Ether	2.136	74	42851	49.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	70557	48.954	ug/l	99
10) Methyl Iodide	2.441	142	95185	50.957	ug/l	100
11) Tert butyl alcohol	2.995	59	77516	250.247	ug/l #	84
12) 1,1-Dichloroethene	2.307	96	71063	48.335	ug/l	95
13) Acrolein	2.233	56	84172	263.373	ug/l	99
14) Allyl chloride	2.654	41	125975	47.412	ug/l	98
15) Acrylonitrile	3.062	53	210792	254.873	ug/l	98
16) Acetone	2.386	43	173889	259.058	ug/l	99
17) Carbon Disulfide	2.502	76	184565	45.780	ug/l	100
18) Methyl Acetate	2.703	43	109515	51.703	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	231822	49.559	ug/l	100
20) Methylene Chloride	2.782	84	80471	48.945	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	71823	49.636	ug/l	99
22) Diisopropyl ether	3.757	45	255564	50.840	ug/l	96
23) Vinyl Acetate	3.715	43	1043434	254.613	ug/l	100
24) 1,1-Dichloroethane	3.605	63	139303	49.527	ug/l	99
25) 2-Butanone	4.556	43	285853	262.259	ug/l	97
26) 2,2-Dichloropropane	4.471	77	91644	41.086	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85866	49.402	ug/l	98
28) Bromochloromethane	4.885	49	60252	44.575	ug/l	98
29) Tetrahydrofuran	5.001	42	188839	260.913	ug/l	99
30) Chloroform	5.087	83	135857	49.806	ug/l	97
31) Cyclohexane	5.464	56	122435	47.217	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	113617	49.107	ug/l	99
36) 1,1-Dichloropropene	5.684	75	91970	46.974	ug/l	98
37) Ethyl Acetate	4.709	43	110417	50.702	ug/l	100
38) Carbon Tetrachloride	5.666	117	90581	47.211	ug/l	98
39) Methylcyclohexane	7.373	83	123769	48.896	ug/l	97
40) Benzene	6.031	78	303089	49.575	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	62585	53.690	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99909	51.275	ug/l	100
43) Isopropyl Acetate	6.336	43	177546	50.486	ug/l	99
44) Trichloroethene	7.123	130	68162	48.777	ug/l	98
45) 1,2-Dichloropropane	7.428	63	75229	49.460	ug/l	99
46) Dibromomethane	7.574	93	53323	50.552	ug/l	99
47) Bromodichloromethane	7.818	83	103091	50.475	ug/l	97
48) Methyl methacrylate	7.690	41	86162	51.962	ug/l	99
49) 1,4-Dioxane	7.665	88	37602	1056.949	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	561087	262.440	ug/l	99
52) Toluene	8.714	92	182775	50.199	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99925	48.347	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	113036	49.051	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70192	50.149	ug/l	98
56) Ethyl methacrylate	9.116	69	115029	50.884	ug/l	98
57) 1,3-Dichloropropane	9.305	76	123396	50.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291354	262.486	ug/l	99
59) 2-Hexanone	9.427	43	413528	268.451	ug/l	98
60) Dibromochloromethane	9.519	129	74939	50.063	ug/l	98
61) 1,2-Dibromoethane	9.604	107	72417	51.047	ug/l	98
64) Tetrachloroethene	9.269	164	54627	46.738	ug/l	95
65) Chlorobenzene	10.079	112	191785	48.179	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61604	48.081	ug/l	100
67) Ethyl Benzene	10.189	91	346217	49.286	ug/l	99
68) m/p-Xylenes	10.299	106	253750	97.924	ug/l	97
69) o-Xylene	10.640	106	126016	48.465	ug/l	98
70) Styrene	10.653	104	211083	50.389	ug/l	99
71) Bromoform	10.799	173	46897	49.045	ug/l #	100
73) Isopropylbenzene	10.957	105	325195	49.916	ug/l	100
74) N-amyl acetate	10.842	43	151270	51.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	109803	49.048	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89430m	49.852	ug/l	
77) Bromobenzene	11.195	156	73059	49.464	ug/l	99
78) n-propylbenzene	11.299	91	379500	50.468	ug/l	100
79) 2-Chlorotoluene	11.360	91	223727	48.410	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267127	50.528	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31501	45.171	ug/l	96
82) 4-Chlorotoluene	11.451	91	257507	50.364	ug/l	100
83) tert-Butylbenzene	11.713	119	265793	49.697	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	266991	51.168	ug/l	100
85) sec-Butylbenzene	11.890	105	334004	50.433	ug/l	100
86) p-Isopropyltoluene	12.006	119	269485	50.599	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	132254	48.692	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	131837	48.007	ug/l	99
89) n-Butylbenzene	12.329	91	242069	51.376	ug/l	99
90) Hexachloroethane	12.536	117	47525	47.657	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133599	50.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20660	50.565	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79706	49.345	ug/l	99
94) Hexachlorobutadiene	13.725	225	30093	46.929	ug/l	99
95) Naphthalene	13.774	128	299256	51.251	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80826	49.658	ug/l	98

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

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