

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045029.D
 Acq On : 25 Feb 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 11:55:05 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	110252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81234	50.33	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.66%			
35) Dibromofluoromethane	5.379	113	65753	53.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.16%			
50) Toluene-d8	8.641	98	233128	50.24	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.48%			
62) 4-Bromofluorobenzene	11.079	95	84075	53.74	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.48%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74727	48.33	ug/l	100
3) Chloromethane	1.301	50	82134	43.64	ug/l	99
4) Vinyl Chloride	1.374	62	80701	44.26	ug/l	100
5) Bromomethane	1.593	94	27748	50.86	ug/l	89
6) Chloroethane	1.660	64	38111	54.93	ug/l	99
7) Trichlorofluoromethane	1.868	101	113846	49.37	ug/l	98
8) Diethyl Ether	2.130	74	41033	49.07	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68044	48.84	ug/l	98
10) Methyl Iodide	2.441	142	66987	37.10	ug/l	99
11) Tert butyl alcohol	2.983	59	72655	242.67	ug/l	100
12) 1,1-Dichloroethene	2.307	96	65333	45.97	ug/l	97
13) Acrolein	2.233	56	42659	138.10	ug/l	98
14) Allyl chloride	2.654	41	122413	47.66	ug/l	98
15) Acrylonitrile	3.062	53	212123	265.35	ug/l	99
16) Acetone	2.380	43	200478	309.00	ug/l	96
17) Carbon Disulfide	2.502	76	160258	41.13	ug/l	100
18) Methyl Acetate	2.703	43	120447	58.83	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	217452	48.09	ug/l	99
20) Methylene Chloride	2.782	84	74184	46.68	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64190	45.90	ug/l	94
22) Diisopropyl ether	3.757	45	243471	50.11	ug/l	99
23) Vinyl Acetate	3.715	43	981588	247.81	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131695	48.44	ug/l	99
25) 2-Butanone	4.550	43	299771	284.54	ug/l	95
26) 2,2-Dichloropropane	4.465	77	99566	46.18	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	79480	47.31	ug/l	99
28) Bromochloromethane	4.885	49	55002	42.10	ug/l	100
29) Tetrahydrofuran	5.001	42	189117	270.33	ug/l	98
30) Chloroform	5.080	83	129019	48.94	ug/l	100
31) Cyclohexane	5.458	56	112320	44.81	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	107913	48.25	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86064	48.61	ug/l	99
37) Ethyl Acetate	4.709	43	106808	54.24	ug/l	99
38) Carbon Tetrachloride	5.666	117	90290	52.04	ug/l	99
39) Methylcyclohexane	7.373	83	114932	50.21	ug/l	98
40) Benzene	6.025	78	275311	49.80	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61810	58.64	ug/l	97
42) 1,2-Dichloroethane	6.080	62	95145	54.00	ug/l	99
43) Isopropyl Acetate	6.336	43	174923	55.01	ug/l	98
44) Trichloroethene	7.117	130	63990	50.64	ug/l	100
45) 1,2-Dichloropropane	7.421	63	70881	51.54	ug/l	100
46) Dibromomethane	7.574	93	49809	52.22	ug/l	98
47) Bromodichloromethane	7.818	83	101512	54.96	ug/l	97
48) Methyl methacrylate	7.690	41	85683	57.15	ug/l	97
49) 1,4-Dioxane	7.659	88	35652	1108.26	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	582884	301.51	ug/l	98
52) Toluene	8.714	92	166447	50.56	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	97264	52.04	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108760	52.19	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	67253	53.14	ug/l	99
56) Ethyl methacrylate	9.110	69	110482	54.05	ug/l	97
57) 1,3-Dichloropropane	9.305	76	115405	52.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	283740	282.70	ug/l	100
59) 2-Hexanone	9.427	43	432517	310.51	ug/l	97
60) Dibromochloromethane	9.519	129	74430	54.99	ug/l	100
61) 1,2-Dibromoethane	9.604	107	68951	53.75	ug/l	97
64) Tetrachloroethene	9.269	164	52979	50.51	ug/l	97
65) Chlorobenzene	10.073	112	182394	51.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60454	52.57	ug/l	99
67) Ethyl Benzene	10.189	91	320501	50.84	ug/l	100
68) m/p-Xylenes	10.299	106	239374	102.93	ug/l	99
69) o-Xylene	10.640	106	119076	51.03	ug/l	98
70) Styrene	10.653	104	199603	53.09	ug/l	98
71) Bromoform	10.799	173	49483	57.66	ug/l #	100
73) Isopropylbenzene	10.957	105	306035	49.54	ug/l	100
74) N-amyl acetate	10.842	43	147566	52.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	107060	50.43	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	96249m	56.58	ug/l	
77) Bromobenzene	11.195	156	71839	51.29	ug/l	97
78) n-propylbenzene	11.299	91	358862	50.33	ug/l	100
79) 2-Chlorotoluene	11.360	91	216519	49.41	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	253369	50.54	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31017	46.91	ug/l	92
82) 4-Chlorotoluene	11.451	91	243811	50.29	ug/l	99
83) tert-Butylbenzene	11.713	119	257768	50.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	255246	51.59	ug/l	99
85) sec-Butylbenzene	11.890	105	322972	51.43	ug/l	100
86) p-Isopropyltoluene	12.006	119	265185	52.51	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	130550	50.69	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	130623	50.16	ug/l	99
89) n-Butylbenzene	12.329	91	241837	54.13	ug/l	100
90) Hexachloroethane	12.536	117	47494	50.23	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	131390	51.91	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21216	54.76	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	82426	53.82	ug/l	99
94) Hexachlorobutadiene	13.725	225	33272	54.72	ug/l	98
95) Naphthalene	13.774	128	297344	53.70	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	83085	53.83	ug/l	100

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

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