

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 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 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 00:58:16 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	112291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	190470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83482	46.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.480%			
35) Dibromofluoromethane	5.373	113	65550	51.467	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	8.641	98	234119	50.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	78409	51.246	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68622	48.548	ug/l	91
3) Chloromethane	1.307	50	75368	43.571	ug/l	97
4) Vinyl Chloride	1.374	62	77400	45.105	ug/l	98
5) Bromomethane	1.593	94	30416	45.089	ug/l	98
6) Chloroethane	1.660	64	32683	41.292	ug/l	95
7) Trichlorofluoromethane	1.867	101	105280	46.345	ug/l	98
8) Diethyl Ether	2.136	74	39098	44.003	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	65196	49.955	ug/l	99
10) Methyl Iodide	2.441	142	78420	48.082	ug/l	98
11) Tert butyl alcohol	2.995	59	60479	178.760	ug/l	100
12) 1,1-Dichloroethene	2.306	96	62054	44.972	ug/l	99
13) Acrolein	2.233	56	93541	239.177	ug/l	98
14) Allyl chloride	2.654	41	116846	47.573	ug/l	98
15) Acrylonitrile	3.062	53	196064	216.227	ug/l	99
16) Acetone	2.386	43	168809	203.698	ug/l	97
17) Carbon Disulfide	2.495	76	163042	44.364	ug/l	97
18) Methyl Acetate	2.703	43	91008	45.649	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208272	44.990	ug/l	100
20) Methylene Chloride	2.782	84	71831	43.757	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	64065	46.997	ug/l	97
22) Diisopropyl ether	3.757	45	232828	46.611	ug/l	96
23) Vinyl Acetate	3.715	43	988338	237.095	ug/l	99
24) 1,1-Dichloroethane	3.599	63	126104	45.046	ug/l	98
25) 2-Butanone	4.556	43	274151	219.773	ug/l	97
26) 2,2-Dichloropropane	4.465	77	89223	67.949	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	76838	45.662	ug/l	95
28) Bromochloromethane	4.891	49	62721	47.005	ug/l	99
29) Tetrahydrofuran	5.001	42	179664	214.470	ug/l	100
30) Chloroform	5.086	83	126092	45.331	ug/l	98
31) Cyclohexane	5.458	56	116269	47.845	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	103689	46.154	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86057	49.270	ug/l	99
37) Ethyl Acetate	4.715	43	105492	46.871	ug/l	99
38) Carbon Tetrachloride	5.666	117	87042	49.086	ug/l	99
39) Methylcyclohexane	7.373	83	115913	55.384	ug/l	98
40) Benzene	6.025	78	269708	48.900	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59812	49.148	ug/l	98
42) 1,2-Dichloroethane	6.080	62	96363	48.518	ug/l	100
43) Isopropyl Acetate	6.336	43	161345	48.480	ug/l	100
44) Trichloroethene	7.117	130	64443	49.759	ug/l	99
45) 1,2-Dichloropropane	7.421	63	67543	47.629	ug/l	97
46) Dibromomethane	7.574	93	48542	48.429	ug/l	98
47) Bromodichloromethane	7.818	83	97568	49.627	ug/l	100
48) Methyl methacrylate	7.690	41	80625	48.288	ug/l	99
49) 1,4-Dioxane	7.665	88	31601	897.247	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	523954	234.470	ug/l	99
52) Toluene	8.714	92	163330	50.472	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	88322	53.736	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	102986	53.733	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	63538	47.694	ug/l	96
56) Ethyl methacrylate	9.116	69	98764	48.771	ug/l	99
57) 1,3-Dichloropropane	9.305	76	110247	47.819	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	263234	266.477	ug/l	100
59) 2-Hexanone	9.427	43	384958	237.763	ug/l	100
60) Dibromochloromethane	9.518	129	71321	51.202	ug/l	98
61) 1,2-Dibromoethane	9.604	107	64667	48.624	ug/l	99
64) Tetrachloroethene	9.269	164	53835	51.190	ug/l	97
65) Chlorobenzene	10.073	112	171449	49.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56543	48.866	ug/l	99
67) Ethyl Benzene	10.189	91	308282	50.920	ug/l	99
68) m/p-Xylenes	10.299	106	228130	102.932	ug/l	100
69) o-Xylene	10.640	106	111076	49.692	ug/l	99
70) Styrene	10.652	104	183603	50.763	ug/l	100
71) Bromoform	10.799	173	44654	51.176	ug/l #	99
73) Isopropylbenzene	10.957	105	289986	49.882	ug/l	100
74) N-amyl acetate	10.841	43	133706	49.015	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	97087	45.510	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	77426m	44.663	ug/l	
77) Bromobenzene	11.195	156	65952	48.083	ug/l	99
78) n-propylbenzene	11.305	91	338544	51.552	ug/l	99
79) 2-Chlorotoluene	11.360	91	196917	47.083	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	235799	50.163	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26035	51.395	ug/l	98
82) 4-Chlorotoluene	11.451	91	223976	49.137	ug/l	100
83) tert-Butylbenzene	11.713	119	232845	48.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	236246	49.949	ug/l	100
85) sec-Butylbenzene	11.890	105	298121	51.530	ug/l	99
86) p-Isopropyltoluene	12.006	119	242004	51.761	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	119022	48.641	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	118036	47.680	ug/l	99
89) n-Butylbenzene	12.329	91	222008	55.132	ug/l	100
90) Hexachloroethane	12.536	117	42059	49.734	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	121609	49.543	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19675	47.340	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	73807	52.807	ug/l	100
94) Hexachlorobutadiene	13.725	225	30136	52.591	ug/l	97
95) Naphthalene	13.774	128	269735	50.230	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	75650	51.306	ug/l	100

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

