

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045841.D
 Acq On : 18 Apr 2025 08:34
 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 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 18 23:31:24 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	5.544	168	98362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	171234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	148047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88908	49.427	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.860%		
35) Dibromofluoromethane	5.373	113	61452	50.582	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.160%		
50) Toluene-d8	8.641	98	206277	48.644	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.280%		
62) 4-Bromofluorobenzene	11.079	95	81179	52.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72522	49.301	ug/l	99
3) Chloromethane	1.300	50	67568	44.711	ug/l	100
4) Vinyl Chloride	1.374	62	63427	45.862	ug/l	99
5) Bromomethane	1.593	94	27639	42.148	ug/l	99
6) Chloroethane	1.666	64	36361	49.555	ug/l	99
7) Trichlorofluoromethane	1.874	101	103048	49.967	ug/l	100
8) Diethyl Ether	2.130	74	32852	47.448	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	63288	52.370	ug/l	97
10) Methyl Iodide	2.440	142	72597	48.162	ug/l	97
11) Tert butyl alcohol	2.977	59	57238	236.773	ug/l	100
12) 1,1-Dichloroethene	2.306	96	55115	46.675	ug/l	98
13) Acrolein	2.233	56	37366	112.245	ug/l	100
14) Allyl chloride	2.654	41	111142	49.606	ug/l	99
15) Acrylonitrile	3.062	53	182734	239.465	ug/l	99
16) Acetone	2.380	43	200814	271.873	ug/l	99
17) Carbon Disulfide	2.501	76	116474	39.937	ug/l	98
18) Methyl Acetate	2.703	43	96635	56.824	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	207217	50.164	ug/l	99
20) Methylene Chloride	2.782	84	64943	46.965	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	56379	46.734	ug/l	99
22) Diisopropyl ether	3.751	45	218505	49.509	ug/l #	86
23) Vinyl Acetate	3.715	43	927063	243.120	ug/l	100
24) 1,1-Dichloroethane	3.599	63	119917	48.044	ug/l	100
25) 2-Butanone	4.550	43	269798	249.534	ug/l	99
26) 2,2-Dichloropropane	4.471	77	94834	58.807	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	70669	48.082	ug/l	98
28) Bromochloromethane	4.891	49	59161	49.049	ug/l	100
29) Tetrahydrofuran	4.995	42	164138	234.155	ug/l	98
30) Chloroform	5.086	83	125389	48.822	ug/l	99
31) Cyclohexane	5.458	56	100425	45.512	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	107855	49.630	ug/l	99
36) 1,1-Dichloropropene	5.678	75	79567	48.506	ug/l	99
37) Ethyl Acetate	4.708	43	95411	46.155	ug/l	99
38) Carbon Tetrachloride	5.666	117	91979	51.882	ug/l	99
39) Methylcyclohexane	7.373	83	100813	50.137	ug/l	100
40) Benzene	6.025	78	236978	47.302	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	56810	52.085	ug/l	98
42) 1,2-Dichloroethane	6.074	62	102928	49.743	ug/l	100
43) Isopropyl Acetate	6.336	43	157423	50.245	ug/l	99
44) Trichloroethene	7.116	130	57744	48.493	ug/l	93
45) 1,2-Dichloropropane	7.421	63	61237	48.990	ug/l	100
46) Dibromomethane	7.574	93	47170	49.158	ug/l	97
47) Bromodichloromethane	7.818	83	97409	50.832	ug/l	95
48) Methyl methacrylate	7.690	41	82165	50.792	ug/l	99
49) 1,4-Dioxane	7.659	88	28989	990.460	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	524852	252.697	ug/l	100
52) Toluene	8.714	92	145834	48.107	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87229	47.457	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	96735	53.718	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	59985	49.656	ug/l	97
56) Ethyl methacrylate	9.116	69	98621	52.752	ug/l	99
57) 1,3-Dichloropropane	9.305	76	104321	49.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	250478	264.850	ug/l	99
59) 2-Hexanone	9.427	43	391083	254.268	ug/l	100
60) Dibromochloromethane	9.518	129	69954	53.118	ug/l	98
61) 1,2-Dibromoethane	9.604	107	61296	50.125	ug/l	99
64) Tetrachloroethene	9.269	164	50939	48.734	ug/l	99
65) Chlorobenzene	10.073	112	159456	50.405	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	56456	51.402	ug/l	98
67) Ethyl Benzene	10.189	91	290594	51.288	ug/l	99
68) m/p-Xylenes	10.299	106	209515	101.670	ug/l	98
69) o-Xylene	10.640	106	105598	52.018	ug/l	99
70) Styrene	10.652	104	176455	52.665	ug/l	98
71) Bromoform	10.799	173	44991	54.862	ug/l #	98
73) Isopropylbenzene	10.957	105	283952	50.100	ug/l	100
74) N-amyl acetate	10.841	43	135632	50.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	93898	47.161	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80571m	46.683	ug/l	
77) Bromobenzene	11.195	156	63874	48.776	ug/l	99
78) n-propylbenzene	11.299	91	328940	50.387	ug/l	100
79) 2-Chlorotoluene	11.360	91	204810	49.074	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	236307	50.421	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25682	50.501	ug/l	99
82) 4-Chlorotoluene	11.451	91	235494	50.609	ug/l	99
83) tert-Butylbenzene	11.713	119	237398	51.163	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240877	51.207	ug/l	99
85) sec-Butylbenzene	11.890	105	296454	52.018	ug/l	99
86) p-Isopropyltoluene	12.006	119	245021	52.149	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118630	49.766	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	118336	48.967	ug/l	99
89) n-Butylbenzene	12.329	91	225987	55.466	ug/l	100
90) Hexachloroethane	12.536	117	44236	54.783	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	120276	50.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21941	52.694	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	71610	54.283	ug/l	98
94) Hexachlorobutadiene	13.725	225	30681	53.972	ug/l	98
95) Naphthalene	13.774	128	254423	51.825	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	72578	52.541	ug/l	100

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

