

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045310.D
 Acq On : 17 Mar 2025 16:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:30:57 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	104754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	163071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74552	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86736	52.054	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.100%	
35) Dibromofluoromethane	5.379	113	64830	52.403	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.800%	
50) Toluene-d8	8.647	98	227990	50.833	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	11.079	95	82833	55.734	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.460%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61936	46.971	ug/l	96
3) Chloromethane	1.307	50	70880	43.924	ug/l	96
4) Vinyl Chloride	1.374	62	65158	40.703	ug/l	97
5) Bromomethane	1.593	94	27992	44.481	ug/l	99
6) Chloroethane	1.666	64	35468	48.035	ug/l	99
7) Trichlorofluoromethane	1.874	101	98720	46.584	ug/l	98
8) Diethyl Ether	2.130	74	36291	43.783	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	64779	53.206	ug/l	99
10) Methyl Iodide	2.447	142	76384	50.203	ug/l	97
11) Tert butyl alcohol	2.977	59	72573	229.940	ug/l	98
12) 1,1-Dichloroethene	2.313	96	61491	47.771	ug/l	98
13) Acrolein	2.233	56	28232	77.381	ug/l	100
14) Allyl chloride	2.654	41	119167	52.009	ug/l	97
15) Acrylonitrile	3.062	53	214077	253.079	ug/l	99
16) Acetone	2.380	43	191065	247.143	ug/l	97
17) Carbon Disulfide	2.502	76	132476	38.641	ug/l	99
18) Methyl Acetate	2.703	43	115953	62.346	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	221740	51.346	ug/l	100
20) Methylene Chloride	2.782	84	72482	47.330	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	61080	48.031	ug/l	98
22) Diisopropyl ether	3.757	45	237480	50.962	ug/l	90
23) Vinyl Acetate	3.721	43	1020030	262.304	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129145	49.451	ug/l	98
25) 2-Butanone	4.556	43	302984	260.363	ug/l	98
26) 2,2-Dichloropropane	4.471	77	92103	75.189	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	76398	48.667	ug/l	93
28) Bromochloromethane	4.891	49	63298	50.850	ug/l	99
29) Tetrahydrofuran	5.001	42	192593	246.445	ug/l	100
30) Chloroform	5.086	83	130155	50.158	ug/l	99
31) Cyclohexane	5.464	56	108918	48.045	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	106442	50.789	ug/l	98
36) 1,1-Dichloropropene	5.684	75	84473	49.789	ug/l	99
37) Ethyl Acetate	4.715	43	108233	49.507	ug/l	99
38) Carbon Tetrachloride	5.672	117	88084	51.138	ug/l	98
39) Methylcyclohexane	7.373	83	107817	53.035	ug/l	97
40) Benzene	6.031	78	264773	49.421	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64130	54.250	ug/l	100
42) 1,2-Dichloroethane	6.080	62	101689	52.709	ug/l	97
43) Isopropyl Acetate	6.336	43	177967	55.051	ug/l	100
44) Trichloroethene	7.123	130	61189	48.640	ug/l	96
45) 1,2-Dichloropropane	7.427	63	70278	51.020	ug/l	98
46) Dibromomethane	7.580	93	50289	51.652	ug/l	97
47) Bromodichloromethane	7.818	83	100622	52.689	ug/l	99
48) Methyl methacrylate	7.690	41	90312	55.685	ug/l	96
49) 1,4-Dioxane	7.659	88	34935	1021.160	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	601257	276.998	ug/l	100
52) Toluene	8.714	92	160571	51.083	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	92147	57.717	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	104606	56.188	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	65896	50.922	ug/l	98
56) Ethyl methacrylate	9.116	69	113218	57.558	ug/l	97
57) 1,3-Dichloropropane	9.305	76	115235	51.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	285909	297.966	ug/l	98
59) 2-Hexanone	9.427	43	438023	278.516	ug/l	100
60) Dibromochloromethane	9.519	129	70103	51.811	ug/l	98
61) 1,2-Dibromoethane	9.604	107	66847	51.746	ug/l	100
64) Tetrachloroethene	9.269	164	49481	47.377	ug/l	95
65) Chlorobenzene	10.073	112	174430	50.551	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	58818	51.186	ug/l	97
67) Ethyl Benzene	10.189	91	311414	51.796	ug/l	100
68) m/p-Xylenes	10.299	106	227203	103.228	ug/l	97
69) o-Xylene	10.640	106	113211	51.000	ug/l	99
70) Styrene	10.652	104	191682	53.366	ug/l	99
71) Bromoform	10.799	173	45726	52.769	ug/l #	99
73) Isopropylbenzene	10.957	105	300263	51.600	ug/l	98
74) N-amyl acetate	10.841	43	153113	56.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	106350	49.804	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	88979m	51.279	ug/l	
77) Bromobenzene	11.195	156	67057	48.842	ug/l	94
78) n-propylbenzene	11.299	91	353421	53.766	ug/l	98
79) 2-Chlorotoluene	11.360	91	210620	50.312	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	244676	52.002	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29655	58.486	ug/l	94
82) 4-Chlorotoluene	11.451	91	240863	52.792	ug/l	98
83) tert-Butylbenzene	11.713	119	251037	51.928	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	246999	52.173	ug/l	100
85) sec-Butylbenzene	11.890	105	314602	54.327	ug/l	100
86) p-Isopropyltoluene	12.006	119	254574	54.397	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	125374	51.188	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	122436	49.411	ug/l	99
89) n-Butylbenzene	12.329	91	230206	57.113	ug/l	99
90) Hexachloroethane	12.536	117	43922	51.888	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	123629	50.318	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22202	53.369	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	71549	51.143	ug/l	99
94) Hexachlorobutadiene	13.725	225	29830	52.008	ug/l	98
95) Naphthalene	13.774	128	280794	52.240	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	74867	50.727	ug/l	98

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

