

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045071.D
 Acq On : 28 Feb 2025 03:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l	100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l	100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l	100
44) Trichloroethene	7.123	130	63513	50.756	ug/l	100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l	100
46) Dibromomethane	7.580	93	50143	52.757	ug/l	100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l	100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l	100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l	100
52) Toluene	8.714	92	167431	51.505	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l	100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l	100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l	100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l	100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l	100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l	100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l	100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l	100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l	100
69) o-Xylene	10.640	106	114440	50.341	ug/l	100
70) Styrene	10.653	104	191406	52.387	ug/l	100
71) Bromoform	10.799	173	44730	53.645	ug/l #	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l	100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l	
77) Bromobenzene	11.195	156	66904	51.173	ug/l	100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l	100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l	100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l	100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l	100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l	100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l	100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l	100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l	100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l	100
95) Naphthalene	13.774	128	278086	53.700	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l	100

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

