

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
 Data File : VX044598.D
 Acq On : 07 Jan 2025 10:51
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 08 02:28:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 02:18:40 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	182852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	273147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125618	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62203	21.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	42.200%#
35) Dibromofluoromethane	5.379	113	43312	20.232	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	40.460%#
50) Toluene-d8	8.647	98	151532	20.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	41.440%#
62) 4-Bromofluorobenzene	11.079	95	51959	20.131	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	40.260%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52176	19.721	ug/l	99
3) Chloromethane	1.294	50	53813	20.411	ug/l	95
4) Vinyl Chloride	1.374	62	50882	20.572	ug/l	100
5) Bromomethane	1.599	94	26588	20.753	ug/l	99
6) Chloroethane	1.666	64	27162	20.687	ug/l	100
7) Trichlorofluoromethane	1.873	101	72487	19.683	ug/l	98
8) Diethyl Ether	2.130	74	28020	21.533	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	42666	20.206	ug/l	99
10) Methyl Iodide	2.447	142	58125	19.741	ug/l	99
11) Tert butyl alcohol	2.995	59	35287	97.199	ug/l	99
12) 1,1-Dichloroethene	2.312	96	40189	19.647	ug/l	92
13) Acrolein	2.233	56	46887	97.681	ug/l	100
14) Allyl chloride	2.660	41	69790	20.514	ug/l	99
15) Acrylonitrile	3.062	53	109174	104.416	ug/l	99
16) Acetone	2.380	43	98646	106.158	ug/l	98
17) Carbon Disulfide	2.501	76	77403	18.299	ug/l	99
18) Methyl Acetate	2.703	43	55761	20.331	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	143696	20.498	ug/l	97
20) Methylene Chloride	2.782	84	48372	20.404	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	42447	20.218	ug/l	94
22) Diisopropyl ether	3.757	45	148218	21.193	ug/l	96
23) Vinyl Acetate	3.715	43	611827	108.186	ug/l	100
24) 1,1-Dichloroethane	3.605	63	85657	21.020	ug/l	97
25) 2-Butanone	4.562	43	147205	109.752	ug/l	95
26) 2,2-Dichloropropane	4.464	77	72557	20.594	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	52269	20.418	ug/l	99
28) Bromochloromethane	4.891	49	40221	21.204	ug/l	96
29) Tetrahydrofuran	5.001	42	96792	105.382	ug/l	98
30) Chloroform	5.086	83	92017	20.946	ug/l	99
31) Cyclohexane	5.464	56	69453	20.758	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	76888	20.797	ug/l	99
36) 1,1-Dichloropropene	5.690	75	57525	20.780	ug/l	99
37) Ethyl Acetate	4.708	43	61814	21.845	ug/l	99
38) Carbon Tetrachloride	5.665	117	61261	19.945	ug/l	99
39) Methylcyclohexane	7.372	83	71421	20.220	ug/l	98
40) Benzene	6.031	78	182735	20.965	ug/l	98

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41) Methacrylonitrile	4.916	41	33545	22.068	ug/l	98
42) 1,2-Dichloroethane	6.080	62	75362	22.109	ug/l	100
43) Isopropyl Acetate	6.342	43	99627	21.325	ug/l	100
44) Trichloroethene	7.116	130	44753	20.086	ug/l	99
45) 1,2-Dichloropropane	7.427	63	45374	21.352	ug/l	94
46) Dibromomethane	7.580	93	34533	20.895	ug/l	98
47) Bromodichloromethane	7.818	83	62867	20.903	ug/l	94
48) Methyl methacrylate	7.690	41	48354	21.700	ug/l	98
49) 1,4-Dioxane	7.665	88	14556	444.533	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	303467	111.120	ug/l	100
52) Toluene	8.714	92	111872	21.272	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	60752	21.133	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	66510	20.586	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	43622	21.158	ug/l	97
56) Ethyl methacrylate	9.116	69	63170	21.068	ug/l	98
57) 1,3-Dichloropropane	9.305	76	76059	21.969	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	155083	104.333	ug/l	100
59) 2-Hexanone	9.433	43	216998	112.353	ug/l	99
60) Dibromochloromethane	9.518	129	42282	20.568	ug/l	99
61) 1,2-Dibromoethane	9.610	107	44770	21.501	ug/l	96
64) Tetrachloroethene	9.268	164	39569	20.489	ug/l	97
65) Chlorobenzene	10.079	112	118653	20.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	39956	20.752	ug/l	99
67) Ethyl Benzene	10.189	91	209710	21.066	ug/l	98
68) m/p-Xylenes	10.299	106	155810	42.593	ug/l	98
69) o-Xylene	10.640	106	76065	20.601	ug/l	99
70) Styrene	10.652	104	126293	21.385	ug/l	99
71) Bromoform	10.799	173	24563	19.617	ug/l #	95
73) Isopropylbenzene	10.957	105	195554	21.012	ug/l	100
74) N-amyl acetate	10.841	43	79390	21.023	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	61645	20.550	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	52133m	20.703	ug/l	
77) Bromobenzene	11.195	156	45702	20.215	ug/l	100
78) n-propylbenzene	11.305	91	220954	21.078	ug/l	100
79) 2-Chlorotoluene	11.360	91	139531	20.541	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	164285	21.290	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	14902	18.014	ug/l	89
82) 4-Chlorotoluene	11.451	91	159459	20.867	ug/l	99
83) tert-Butylbenzene	11.713	119	155984	20.301	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	168552	21.745	ug/l	100
85) sec-Butylbenzene	11.890	105	196607	21.010	ug/l	100
86) p-Isopropyltoluene	12.006	119	164348	20.932	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	84583	20.681	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	83680	19.638	ug/l	97
89) n-Butylbenzene	12.329	91	138330	20.864	ug/l	99
90) Hexachloroethane	12.536	117	22825	18.096	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	83880	20.296	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11101	19.520	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	47350	19.494	ug/l	98
94) Hexachlorobutadiene	13.719	225	19641	19.419	ug/l	97
95) Naphthalene	13.774	128	162161	20.691	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	49865	20.082	ug/l	100

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

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