

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036603.D
 Acq On : 21 Jul 2023 10:57
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 21 11:56:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 11:54:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	186806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	324559	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135133	50.138	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.280%			
35) Dibromofluoromethane	5.385	113	108471	50.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.647	98	394700	49.534	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.060%			
62) 4-Bromofluorobenzene	11.079	95	154752	53.728	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	117579	62.768	ug/l	99
3) Chloromethane	1.294	50	107033	36.765	ug/l	99
4) Vinyl Chloride	1.374	62	113315	35.698	ug/l	99
5) Bromomethane	1.618	94	65978	29.355	ug/l	99
6) Chloroethane	1.691	64	58149	25.811	ug/l	98
7) Trichlorofluoromethane	1.886	101	174959	36.094	ug/l	99
8) Diethyl Ether	2.136	74	64057	34.469	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	105369	49.455	ug/l	99
10) Methyl Iodide	2.453	142	116883	46.454	ug/l	92
11) Tert butyl alcohol	2.989	59	162302	311.079	ug/l	96
12) 1,1-Dichloroethene	2.319	96	102436	48.467	ug/l	91
13) Acrolein	2.239	56	89968	145.718	ug/l	98
14) Allyl chloride	2.666	41	201701	56.889	ug/l	93
15) Acrylonitrile	3.068	53	333142	265.985	ug/l	99
16) Acetone	2.392	43	279057	241.869	ug/l	92
17) Carbon Disulfide	2.514	76	281440	53.017	ug/l	97
18) Methyl Acetate	2.709	43	243526	51.325	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	394662	56.265	ug/l	99
20) Methylene Chloride	2.788	84	120129	48.544	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	113770	49.892	ug/l	95
22) Diisopropyl ether	3.763	45	388607	55.125	ug/l #	85
23) Vinyl Acetate	3.721	43	1526139	295.193	ug/l	97
24) 1,1-Dichloroethane	3.611	63	219569	53.215	ug/l	98
25) 2-Butanone	4.562	43	469859	278.674	ug/l	95
26) 2,2-Dichloropropane	4.477	77	203063	65.828	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	135417	52.588	ug/l	95
28) Bromochloromethane	4.904	49	106906	49.925	ug/l	95
29) Tetrahydrofuran	5.007	42	304894	282.651	ug/l	95
30) Chloroform	5.099	83	221402	53.155	ug/l	98
31) Cyclohexane	5.470	56	189298	53.877	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	203430	57.608	ug/l	98
36) 1,1-Dichloropropene	5.696	75	162512	50.486	ug/l	98
37) Ethyl Acetate	4.715	43	189466	56.565	ug/l	99
38) Carbon Tetrachloride	5.678	117	175060	58.196	ug/l	98
39) Methylcyclohexane	7.385	83	204134	52.844	ug/l	93
40) Benzene	6.037	78	482428	53.311	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	102342	55.456	ug/l	95
42) 1,2-Dichloroethane	6.086	62	178228	52.121	ug/l	96
43) Isopropyl Acetate	6.342	43	320713	59.453	ug/l	96
44) Trichloroethene	7.123	130	125670	50.367	ug/l	98
45) 1,2-Dichloropropane	7.427	63	128360	52.356	ug/l	98
46) Dibromomethane	7.580	93	90018	52.070	ug/l	97
47) Bromodichloromethane	7.824	83	185181	58.268	ug/l	97
48) Methyl methacrylate	7.690	41	152871	57.389	ug/l	93
49) 1,4-Dioxane	7.696	88	60689	1046.405	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	921677	271.425	ug/l	96
52) Toluene	8.720	92	304837	53.198	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	214128	65.130	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	222179	60.803	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	126340	53.146	ug/l	96
56) Ethyl methacrylate	9.116	69	214148	59.001	ug/l	96
57) 1,3-Dichloropropane	9.305	76	216266	52.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	515088	261.621	ug/l	99
59) 2-Hexanone	9.427	43	684474	275.572	ug/l	95
60) Dibromochloromethane	9.519	129	143452	60.577	ug/l	99
61) 1,2-Dibromoethane	9.610	107	133661	53.009	ug/l	99
64) Tetrachloroethene	9.275	164	109160	51.733	ug/l	97
65) Chlorobenzene	10.079	112	324714	51.781	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	125342	58.042	ug/l	98
67) Ethyl Benzene	10.195	91	593446	52.987	ug/l	99
68) m/p-Xylenes	10.299	106	448383	103.615	ug/l	99
69) o-Xylene	10.640	106	225190	53.412	ug/l	98
70) Styrene	10.652	104	373524	54.139	ug/l	99
71) Bromoform	10.799	173	105189	65.963	ug/l #	100
73) Isopropylbenzene	10.963	105	580819	53.206	ug/l	98
74) N-amyl acetate	10.841	43	273285	61.555	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	193360	52.259	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	166949m	53.488	ug/l	
77) Bromobenzene	11.195	156	135653	50.721	ug/l	98
78) n-propylbenzene	11.305	91	684507	53.592	ug/l	100
79) 2-Chlorotoluene	11.366	91	406852	53.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	492733	53.250	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	75644	72.013	ug/l #	84
82) 4-Chlorotoluene	11.451	91	466969	52.821	ug/l	100
83) tert-Butylbenzene	11.713	119	479830	53.911	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	490921	53.529	ug/l	98
85) sec-Butylbenzene	11.890	105	609257	54.060	ug/l	99
86) p-Isopropyltoluene	12.006	119	506898	53.734	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	250277	50.913	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	248487	49.678	ug/l	100
89) n-Butylbenzene	12.329	91	455495	54.178	ug/l	100
90) Hexachloroethane	12.536	117	101189	67.103	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	239573	49.602	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44805	61.762	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	150286	50.525	ug/l	97
94) Hexachlorobutadiene	13.725	225	59957	49.080	ug/l	98
95) Naphthalene	13.774	128	518446	52.598	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	147174	50.807	ug/l	99

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

