

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039183.D
 Acq On : 13 Dec 2023 11:20
 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 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:10:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:05:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	129169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110675	46.772	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.540%		
35) Dibromofluoromethane	5.385	113	77450	47.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.500%		
50) Toluene-d8	8.646	98	289963	47.644	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.280%		
62) 4-Bromofluorobenzene	11.079	95	116828	46.525	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	93905	51.737	ug/l	99
3) Chloromethane	1.294	50	101398	50.391	ug/l	100
4) Vinyl Chloride	1.373	62	92206	49.271	ug/l	97
5) Bromomethane	1.599	94	58851	54.661	ug/l	100
6) Chloroethane	1.684	64	53608	47.535	ug/l	98
7) Trichlorofluoromethane	1.886	101	136285	49.734	ug/l	100
8) Diethyl Ether	2.129	74	47289	49.861	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	82252	49.187	ug/l	97
10) Methyl Iodide	2.452	142	86288	49.922	ug/l	96
11) Tert butyl alcohol	2.952	59	142776	240.277	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	82640	49.751	ug/l	95
13) Acrolein	2.233	56	116008	244.721	ug/l	99
14) Allyl chloride	2.666	41	165983	49.327	ug/l	97
15) Acrylonitrile	3.062	53	296657	249.419	ug/l	99
16) Acetone	2.373	43	331038	240.353	ug/l	95
17) Carbon Disulfide	2.513	76	239621	49.296	ug/l	99
18) Methyl Acetate	2.696	43	259295	50.662	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	294221	48.977	ug/l	98
20) Methylene Chloride	2.788	84	95063	48.192	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	89239	49.372	ug/l	96
22) Diisopropyl ether	3.757	45	302002	49.305	ug/l	94
23) Vinyl Acetate	3.721	43	1154989	253.284	ug/l	100
24) 1,1-Dichloroethane	3.605	63	169161	48.855	ug/l	98
25) 2-Butanone	4.550	43	454079	222.378	ug/l	98
26) 2,2-Dichloropropane	4.477	77	148466	49.114	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	100644	50.448	ug/l	97
28) Bromochloromethane	4.897	49	89097	52.737	ug/l	94
29) Tetrahydrofuran	4.995	42	283218	251.159	ug/l	99
30) Chloroform	5.092	83	168670	48.746	ug/l	99
31) Cyclohexane	5.476	56	151932	49.711	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	150062	49.957	ug/l	98
36) 1,1-Dichloropropene	5.690	75	128126	49.529	ug/l	99
37) Ethyl Acetate	4.708	43	160454	50.205	ug/l	99
38) Carbon Tetrachloride	5.678	117	124574	50.461	ug/l	99
39) Methylcyclohexane	7.378	83	153965	49.549	ug/l	98
40) Benzene	6.037	78	364059	49.751	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	87321	51.208	ug/l	97
42) 1,2-Dichloroethane	6.080	62	147873	49.921	ug/l	99
43) Isopropyl Acetate	6.336	43	260126	50.052	ug/l	99
44) Trichloroethene	7.122	130	89669	48.559	ug/l	93
45) 1,2-Dichloropropane	7.427	63	97791	49.794	ug/l	97
46) Dibromomethane	7.580	93	68147	49.362	ug/l	94
47) Bromodichloromethane	7.817	83	134430	50.927	ug/l	97
48) Methyl methacrylate	7.689	41	154889	50.978	ug/l	95
49) 1,4-Dioxane	7.653	88	43949	1073.100	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	830736	250.877	ug/l	99
52) Toluene	8.720	92	220494	49.923	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	149385	51.404	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	159097	50.880	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	90368	49.010	ug/l	93
56) Ethyl methacrylate	9.116	69	117798	52.333	ug/l	97
57) 1,3-Dichloropropane	9.305	76	157718	49.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	345721	261.567	ug/l	94
59) 2-Hexanone	9.427	43	673589	235.702	ug/l	99
60) Dibromochloromethane	9.518	129	93671	50.232	ug/l	98
61) 1,2-Dibromoethane	9.610	107	98930	50.259	ug/l	100
64) Tetrachloroethene	9.274	164	67823	47.437	ug/l	92
65) Chlorobenzene	10.079	112	229547	48.067	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	83686	49.610	ug/l	97
67) Ethyl Benzene	10.195	91	440511	49.554	ug/l	98
68) m/p-Xylenes	10.299	106	314674	98.728	ug/l	94
69) o-Xylene	10.640	106	152784	49.578	ug/l	93
70) Styrene	10.652	104	225312	50.012	ug/l	95
71) Bromoform	10.799	173	64344	51.317	ug/l #	100
73) Isopropylbenzene	10.963	105	414329	49.928	ug/l	99
74) N-amyl acetate	10.841	43	214849	51.171	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	152648	49.447	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	138886m	49.911	ug/l	
77) Bromobenzene	11.195	156	90741	49.448	ug/l	90
78) n-propylbenzene	11.305	91	508581	49.742	ug/l	97
79) 2-Chlorotoluene	11.359	91	301216	48.705	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	353206	49.963	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	49970	50.658	ug/l	96
82) 4-Chlorotoluene	11.451	91	356737	49.110	ug/l	97
83) tert-Butylbenzene	11.713	119	335262	49.831	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	361095	49.809	ug/l	98
85) sec-Butylbenzene	11.890	105	422221	49.317	ug/l	98
86) p-Isopropyltoluene	12.006	119	356644	49.638	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	175777	48.757	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	175571	46.772	ug/l	98
89) n-Butylbenzene	12.329	91	358379	50.740	ug/l	97
90) Hexachloroethane	12.536	117	66831	51.493	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	167771	48.637	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	43535	53.541	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	112296	49.716	ug/l	98
94) Hexachlorobutadiene	13.725	225	40969	48.130	ug/l	99
95) Naphthalene	13.774	128	401666	51.062	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	107120	49.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

