

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110723\
 Data File : VX038633.D
 Acq On : 07 Nov 2023 14:45
 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 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 08 03:05:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 01:38:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	317021	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	485524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189029	47.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.780%		
35) Dibromofluoromethane	5.385	113	170946	48.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	8.646	98	608658	48.641	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.280%		
62) 4-Bromofluorobenzene	11.079	95	237403	48.933	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	170437	51.770	ug/l	100
3) Chloromethane	1.300	50	135656	47.673	ug/l	100
4) Vinyl Chloride	1.373	62	150748	49.763	ug/l	99
5) Bromomethane	1.599	94	121663	52.034	ug/l	96
6) Chloroethane	1.684	64	93702	48.852	ug/l	97
7) Trichlorofluoromethane	1.885	101	261361	50.045	ug/l	99
8) Diethyl Ether	2.135	74	86770	48.399	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.330	101	152518	49.391	ug/l	90
10) Methyl Iodide	2.452	142	198797	52.127	ug/l	91
11) Tert butyl alcohol	2.958	59	184940	229.218	ug/l	# 92
12) 1,1-Dichloroethene	2.318	96	146017	49.354	ug/l	# 80
13) Acrolein	2.233	56	144226	235.850	ug/l	100
14) Allyl chloride	2.666	41	206785	48.797	ug/l	# 94
15) Acrylonitrile	3.062	53	424265	249.165	ug/l	99
16) Acetone	2.379	43	390047	234.658	ug/l	90
17) Carbon Disulfide	2.513	76	391346	49.781	ug/l	98
18) Methyl Acetate	2.702	43	353339	49.895	ug/l	# 88
19) Methyl tert-butyl Ether	3.117	73	474602	50.163	ug/l	96
20) Methylene Chloride	2.788	84	160966	48.039	ug/l	# 84
21) trans-1,2-Dichloroethene	3.093	96	158695	49.269	ug/l	85
22) Diisopropyl ether	3.763	45	402315	50.373	ug/l	# 85
23) Vinyl Acetate	3.720	43	1458437	257.271	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	261318	49.454	ug/l	97
25) 2-Butanone	4.556	43	586272	243.479	ug/l	# 88
26) 2,2-Dichloropropane	4.476	77	225318	48.837	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	184186	49.520	ug/l	85
28) Bromochloromethane	4.897	49	117238	49.370	ug/l	# 62
29) Tetrahydrofuran	5.001	42	373681	249.432	ug/l	# 82
30) Chloroform	5.098	83	298231	48.103	ug/l	97
31) Cyclohexane	5.476	56	217433	49.777	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	272321	49.911	ug/l	96
36) 1,1-Dichloropropene	5.696	75	212399	48.897	ug/l	95
37) Ethyl Acetate	4.714	43	221295	49.898	ug/l	# 94
38) Carbon Tetrachloride	5.677	117	242649	49.968	ug/l	98
39) Methylcyclohexane	7.384	83	266255	49.026	ug/l	89
40) Benzene	6.037	78	613794	49.059	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	113279	50.136	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	226618	50.199	ug/l	96
43) Isopropyl Acetate	6.342	43	341196	50.042	ug/l #	92
44) Trichloroethene	7.128	130	192962	49.569	ug/l	91
45) 1,2-Dichloropropane	7.433	63	150771	49.850	ug/l	99
46) Dibromomethane	7.580	93	127180	50.282	ug/l #	88
47) Bromodichloromethane	7.823	83	232197	48.813	ug/l	98
48) Methyl methacrylate	7.689	41	166161	50.568	ug/l #	83
49) 1,4-Dioxane	7.659	88	73948	988.566	ug/l #	85
51) 4-Methyl-2-Pentanone	8.573	43	1122945	252.783	ug/l	92
52) Toluene	8.720	92	413318	50.429	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	248519	51.316	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	262602	51.365	ug/l #	87
55) 1,1,2-Trichloroethane	9.152	97	175807	50.555	ug/l	98
56) Ethyl methacrylate	9.116	69	254200	52.245	ug/l	87
57) 1,3-Dichloropropane	9.311	76	269444	49.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	625549	261.493	ug/l	91
59) 2-Hexanone	9.427	43	900354	250.484	ug/l	91
60) Dibromochloromethane	9.518	129	196803	50.414	ug/l	99
61) 1,2-Dibromoethane	9.610	107	196746	50.340	ug/l	99
64) Tetrachloroethene	9.274	164	168516	48.301	ug/l	96
65) Chlorobenzene	10.079	112	470321	49.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	180255	50.536	ug/l	99
67) Ethyl Benzene	10.195	91	804287	50.113	ug/l	97
68) m/p-Xylenes	10.299	106	645867	101.395	ug/l	94
69) o-Xylene	10.640	106	313562	50.620	ug/l	96
70) Styrene	10.652	104	523211	51.178	ug/l	96
71) Bromoform	10.798	173	160656	51.031	ug/l #	100
73) Isopropylbenzene	10.963	105	822411	50.137	ug/l	97
74) N-amyl acetate	10.841	43	294696	51.706	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	279463	49.281	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	262835m	49.635	ug/l	
77) Bromobenzene	11.195	156	221252	49.146	ug/l	82
78) n-propylbenzene	11.304	91	963617	50.482	ug/l	97
79) 2-Chlorotoluene	11.365	91	566531	49.573	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	717500	50.823	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	85251	50.327	ug/l	86
82) 4-Chlorotoluene	11.451	91	671364	50.286	ug/l	93
83) tert-Butylbenzene	11.713	119	730464	51.063	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	715076	51.069	ug/l	96
85) sec-Butylbenzene	11.890	105	899317	50.383	ug/l	97
86) p-Isopropyltoluene	12.012	119	772518	50.804	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	422611	49.100	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	429811	48.583	ug/l	97
89) n-Butylbenzene	12.335	91	681175	50.341	ug/l	96
90) Hexachloroethane	12.536	117	131581	51.087	ug/l	79
91) 1,2-Dichlorobenzene	12.335	146	415081	49.380	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.944	75	71607	50.241	ug/l	67
93) 1,2,4-Trichlorobenzene	13.591	180	297865	49.543	ug/l	97
94) Hexachlorobutadiene	13.725	225	123885	47.753	ug/l	99
95) Naphthalene	13.774	128	920871	50.778	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	290185	48.968	ug/l	97

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

