

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038744.D
 Acq On : 10 Nov 2023 21:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 11 02:01:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2023
 Supervised By : Mahesh Dadoda 11/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	307634	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	476115	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	182374	47.618	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.240%		
35) Dibromofluoromethane	5.385	113	166961	48.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.380%		
50) Toluene-d8	8.647	98	584348	47.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.240%		
62) 4-Bromofluorobenzene	11.079	95	235726	49.548	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	154836	48.466	ug/l	97
3) Chloromethane	1.295	50	123659	44.783	ug/l	97
4) Vinyl Chloride	1.374	62	139913	47.596	ug/l	99
5) Bromomethane	1.599	94	101212	44.608	ug/l	100
6) Chloroethane	1.685	64	89747	48.218	ug/l	100
7) Trichlorofluoromethane	1.886	101	256836	50.679	ug/l	100
8) Diethyl Ether	2.136	74	86889	49.944	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	145023	48.397	ug/l	88
10) Methyl Iodide	2.453	142	206230	55.726	ug/l	91
11) Tert butyl alcohol	2.959	59	209973	268.185	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	140457	48.923	ug/l	# 78
13) Acrolein	2.233	56	148243	249.816	ug/l	99
14) Allyl chloride	2.660	41	190175	46.247	ug/l	# 93
15) Acrylonitrile	3.062	53	419530	253.903	ug/l	99
16) Acetone	2.380	43	366634	227.303	ug/l	# 87
17) Carbon Disulfide	2.514	76	339552	44.511	ug/l	98
18) Methyl Acetate	2.703	43	345237	50.239	ug/l	# 86
19) Methyl tert-butyl Ether	3.111	73	466301	50.790	ug/l	96
20) Methylene Chloride	2.788	84	156789	48.220	ug/l	# 80
21) trans-1,2-Dichloroethene	3.093	96	152936	48.930	ug/l	84
22) Diisopropyl ether	3.757	45	383281	49.454	ug/l	# 92
23) Vinyl Acetate	3.721	43	1364422	248.031	ug/l	# 91
24) 1,1-Dichloroethane	3.611	63	249267	48.613	ug/l	96
25) 2-Butanone	4.550	43	570696	244.242	ug/l	# 85
26) 2,2-Dichloropropane	4.477	77	190145	42.471	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	180761	50.082	ug/l	82
28) Bromochloromethane	4.898	49	113071	49.069	ug/l	# 53
29) Tetrahydrofuran	5.001	42	362927	249.646	ug/l	# 80
30) Chloroform	5.093	83	290249	48.244	ug/l	97
31) Cyclohexane	5.477	56	194117	45.796	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	262638	49.605	ug/l	95
36) 1,1-Dichloropropene	5.690	75	200858	47.154	ug/l	94
37) Ethyl Acetate	4.715	43	210391	48.377	ug/l	# 92
38) Carbon Tetrachloride	5.678	117	236380	49.639	ug/l	98
39) Methylcyclohexane	7.379	83	240946	45.242	ug/l	89
40) Benzene	6.038	78	586653	47.816	ug/l	100

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41) Methacrylonitrile	4.916	41	111893	50.501	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	217430	49.115	ug/l	95
43) Isopropyl Acetate	6.342	43	325272	48.649	ug/l #	91
44) Trichloroethene	7.123	130	187198	49.038	ug/l	92
45) 1,2-Dichloropropane	7.428	63	144185	48.614	ug/l	98
46) Dibromomethane	7.580	93	123233	49.684	ug/l #	86
47) Bromodichloromethane	7.824	83	226842	48.630	ug/l	97
48) Methyl methacrylate	7.690	41	159218	49.413	ug/l #	83
49) 1,4-Dioxane	7.659	88	80199	1093.319	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	1091900	250.652	ug/l	91
52) Toluene	8.720	92	395363	49.192	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	234087	49.291	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	248021	49.471	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	173128	50.768	ug/l	97
56) Ethyl methacrylate	9.116	69	250427	52.487	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	264867	49.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	590402	251.678	ug/l #	89
59) 2-Hexanone	9.427	43	874192	248.012	ug/l	88
60) Dibromochloromethane	9.519	129	195162	50.981	ug/l	99
61) 1,2-Dibromoethane	9.610	107	192672	50.272	ug/l	99
64) Tetrachloroethene	9.275	164	163280	47.285	ug/l	96
65) Chlorobenzene	10.079	112	459971	48.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	179124	50.740	ug/l	99
67) Ethyl Benzene	10.195	91	772951	48.660	ug/l	97
68) m/p-Xylenes	10.299	106	615476	97.625	ug/l	96
69) o-Xylene	10.640	106	305416	49.816	ug/l	95
70) Styrene	10.653	104	513468	50.746	ug/l	95
71) Bromoform	10.799	173	160129	51.390	ug/l #	100
73) Isopropylbenzene	10.964	105	796626	48.444	ug/l	97
74) N-amyl acetate	10.842	43	280864	49.157	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	275119	48.395	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	258966m	48.783	ug/l	
77) Bromobenzene	11.195	156	218564	48.429	ug/l	82
78) n-propylbenzene	11.305	91	914119	47.770	ug/l	96
79) 2-Chlorotoluene	11.366	91	548976	47.918	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	698615	49.363	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78270	46.484	ug/l	85
82) 4-Chlorotoluene	11.451	91	647016	48.342	ug/l	93
83) tert-Butylbenzene	11.713	119	702383	48.979	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	692681	49.347	ug/l	96
85) sec-Butylbenzene	11.890	105	854600	47.759	ug/l	96
86) p-Isopropyltoluene	12.006	119	742600	48.716	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	408449	47.337	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	417377	47.061	ug/l	97
89) n-Butylbenzene	12.329	91	634625	46.784	ug/l	96
90) Hexachloroethane	12.536	117	126464	48.978	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	406317	48.218	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	71521	50.057	ug/l	64
93) 1,2,4-Trichlorobenzene	13.585	180	287953	47.776	ug/l	97
94) Hexachlorobutadiene	13.725	225	119613	45.992	ug/l	99
95) Naphthalene	13.774	128	914007	50.274	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	281306	47.353	ug/l	97

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

