

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041266.D
 Acq On : 26 Apr 2024 17:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Mahesh Dadoda 04/29/2024

Quant Time: Apr 27 02:22:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	92723	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	146572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68239	77.311	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 154.620%#			
35) Dibromofluoromethane	5.385	113	55405	62.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 124.280%#			
50) Toluene-d8	8.647	98	144303	47.972	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.940%			
62) 4-Bromofluorobenzene	11.079	95	55316	49.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	25518	34.795	ug/l	98
3) Chloromethane	1.295	50	40276	50.725	ug/l	98
4) Vinyl Chloride	1.374	62	35302	44.460	ug/l	98
5) Bromomethane	1.599	94	43658	97.653	ug/l	97
6) Chloroethane	1.666	64	22760	75.450	ug/l	92
7) Trichlorofluoromethane	1.862	101	65600	53.319	ug/l	97
8) Diethyl Ether	2.136	74	39128	86.420	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	31680	43.764	ug/l #	87
10) Methyl Iodide	2.447	142	43920	50.313	ug/l	92
11) Tert butyl alcohol	3.032	59	79224	501.014	ug/l #	94
12) 1,1-Dichloroethene	2.307	96	34739	51.408	ug/l	89
13) Acrolein	2.240	56	72638	409.491	ug/l	99
14) Allyl chloride	2.660	41	74628	67.983	ug/l	98
15) Acrylonitrile	3.075	53	185848	459.946	ug/l	99
16) Acetone	2.392	43	157226	489.370	ug/l	99
17) Carbon Disulfide	2.502	76	64698	45.833	ug/l	99
18) Methyl Acetate	2.709	43	87037	91.579	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	199216	82.467	ug/l	98
20) Methylene Chloride	2.788	84	57777	73.633	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	39968	53.522	ug/l	87
22) Diisopropyl ether	3.764	45	183143	77.164	ug/l	95
23) Vinyl Acetate	3.721	43	899488	442.997	ug/l	96
24) 1,1-Dichloroethane	3.605	63	88887	66.996	ug/l	95
25) 2-Butanone	4.568	43	255263	465.225	ug/l	96
26) 2,2-Dichloropropane	4.471	77	54300	48.425	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	59368	64.141	ug/l	87
28) Bromochloromethane	4.898	49	39460	78.374	ug/l #	79
29) Tetrahydrofuran	5.007	42	170888	457.168	ug/l	95
30) Chloroform	5.093	83	100231	70.385	ug/l	100
31) Cyclohexane	5.465	56	44910	37.805	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	69790	54.670	ug/l	98
36) 1,1-Dichloropropene	5.690	75	43998	38.568	ug/l	95
37) Ethyl Acetate	4.721	43	103006	82.298	ug/l	100
38) Carbon Tetrachloride	5.672	117	54229	42.560	ug/l	98
39) Methylcyclohexane	7.379	83	48482	32.041	ug/l	93
40) Benzene	6.038	78	180556	51.248	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	55242	84.779	ug/l	95
42) 1,2-Dichloroethane	6.092	62	84786	69.406	ug/l	95
43) Isopropyl Acetate	6.342	43	157661	78.197	ug/l	98
44) Trichloroethene	7.123	130	44327	43.275	ug/l	80
45) 1,2-Dichloropropane	7.428	63	50474	59.750	ug/l	97
46) Dibromomethane	7.580	93	42865	68.050	ug/l #	77
47) Bromodichloromethane	7.824	83	76426	65.823	ug/l	96
48) Methyl methacrylate	7.696	41	75860	79.548	ug/l	94
49) 1,4-Dioxane	7.671	88	36781	1791.925	ug/l #	76
51) 4-Methyl-2-Pentanone	8.574	43	531986	421.539	ug/l	98
52) Toluene	8.714	92	106648	48.039	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	74086	65.051	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	77748	60.051	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	60344	69.661	ug/l	97
56) Ethyl methacrylate	9.116	69	98963	74.729	ug/l	97
57) 1,3-Dichloropropane	9.305	76	95613	66.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	220357	341.884	ug/l	92
59) 2-Hexanone	9.433	43	418918	432.875	ug/l	98
60) Dibromochloromethane	9.519	129	68543	68.544	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64318	69.203	ug/l	99
64) Tetrachloroethene	9.269	164	38994	39.210	ug/l	91
65) Chlorobenzene	10.080	112	127811	47.893	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	53217	58.219	ug/l	97
67) Ethyl Benzene	10.195	91	183467	43.079	ug/l	96
68) m/p-Xylenes	10.299	106	147786	85.961	ug/l	93
69) o-Xylene	10.640	106	78964	47.224	ug/l	93
70) Styrene	10.653	104	136557	50.199	ug/l	96
71) Bromoform	10.799	173	58106	74.352	ug/l #	98
73) Isopropylbenzene	10.964	105	182627	43.446	ug/l	96
74) N-amyl acetate	10.842	43	133263	80.666	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	99695	75.206	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	82201m	75.518	ug/l	
77) Bromobenzene	11.195	156	65483	53.532	ug/l	76
78) n-propylbenzene	11.305	91	196831	43.366	ug/l	97
79) 2-Chlorotoluene	11.366	91	130353	45.384	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	157068	44.914	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	27406	71.035	ug/l	98
82) 4-Chlorotoluene	11.451	91	147931	45.449	ug/l	93
83) tert-Butylbenzene	11.713	119	172815	46.147	ug/l	89
84) 1,2,4-Trimethylbenzene	11.750	105	162625	46.853	ug/l	94
85) sec-Butylbenzene	11.890	105	184238	42.603	ug/l	94
86) p-Isopropyltoluene	12.006	119	167212	43.876	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	104209	47.425	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	105788	46.922	ug/l	95
89) n-Butylbenzene	12.329	91	124263	42.945	ug/l	97
90) Hexachloroethane	12.536	117	27805	44.230	ug/l #	58
91) 1,2-Dichlorobenzene	12.335	146	117262	53.280	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24235	87.128	ug/l	59
93) 1,2,4-Trichlorobenzene	13.585	180	77292	50.652	ug/l	95
94) Hexachlorobutadiene	13.725	225	31833	40.831	ug/l	98
95) Naphthalene	13.774	128	303859	69.305	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	86201	53.630	ug/l	95

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

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