

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040420.D
 Acq On : 23 Feb 2024 10:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

Quant Time: Feb 23 22:13:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	90259	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	150834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75104	51.093	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.180%			
35) Dibromofluoromethane	5.379	113	54479	53.598	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.200%			
50) Toluene-d8	8.647	98	199972	54.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.940%			
62) 4-Bromofluorobenzene	11.079	95	78465	53.333	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	59518	54.706	ug/l	95
3) Chloromethane	1.294	50	58875	47.870	ug/l	97
4) Vinyl Chloride	1.374	62	60662	49.452	ug/l	98
5) Bromomethane	1.599	94	38785	53.743	ug/l	96
6) Chloroethane	1.678	64	36803	49.780	ug/l	99
7) Trichlorofluoromethane	1.886	101	95510	48.800	ug/l	99
8) Diethyl Ether	2.130	74	32961	47.145	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	52047	50.327	ug/l	99
10) Methyl Iodide	2.447	142	62412	51.866	ug/l	98
11) Tert butyl alcohol	2.959	59	68034	239.438	ug/l #	90
12) 1,1-Dichloroethene	2.312	96	48426	48.550	ug/l	98
13) Acrolein	2.233	56	92330	271.595	ug/l	99
14) Allyl chloride	2.660	41	89741	48.716	ug/l	93
15) Acrylonitrile	3.056	53	158425	237.816	ug/l	99
16) Acetone	2.373	43	172445	281.552	ug/l	97
17) Carbon Disulfide	2.508	76	139383	50.828	ug/l	98
18) Methyl Acetate	2.696	43	75363	47.503	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	173463	48.774	ug/l	98
20) Methylene Chloride	2.788	84	55655	43.398	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	53768	47.773	ug/l	97
22) Diisopropyl ether	3.757	45	180350	49.529	ug/l	94
23) Vinyl Acetate	3.715	43	842334	253.474	ug/l	99
24) 1,1-Dichloroethane	3.605	63	102069	48.473	ug/l	99
25) 2-Butanone	4.550	43	237821	249.058	ug/l	98
26) 2,2-Dichloropropane	4.471	77	83829	60.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	62389	49.743	ug/l	98
28) Bromochloromethane	4.891	49	43838	44.636	ug/l	99
29) Tetrahydrofuran	4.995	42	148083	232.964	ug/l	98
30) Chloroform	5.086	83	108621	47.862	ug/l	97
31) Cyclohexane	5.464	56	88523	50.231	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	94609	50.356	ug/l	99
36) 1,1-Dichloropropene	5.684	75	81400	51.747	ug/l	99
37) Ethyl Acetate	4.708	43	89854	49.996	ug/l	99
38) Carbon Tetrachloride	5.672	117	79085	54.340	ug/l	95
39) Methylcyclohexane	7.372	83	93839	56.288	ug/l	97
40) Benzene	6.031	78	217403	50.802	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	48639	50.967	ug/l	97
42) 1,2-Dichloroethane	6.080	62	92314	51.906	ug/l	99
43) Isopropyl Acetate	6.330	43	141410	51.279	ug/l	98
44) Trichloroethene	7.116	130	57058	50.980	ug/l	92
45) 1,2-Dichloropropane	7.427	63	58611	51.321	ug/l	97
46) Dibromomethane	7.574	93	43276	50.507	ug/l	99
47) Bromodichloromethane	7.818	83	83811	52.558	ug/l	98
48) Methyl methacrylate	7.689	41	73665	53.940	ug/l	96
49) 1,4-Dioxane	7.653	88	29968	1088.666	ug/l #	93
51) 4-Methyl-2-Pentanone	8.567	43	472047	252.034	ug/l	99
52) Toluene	8.714	92	138563	52.836	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	90265	56.146	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	93280	54.466	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	56865	50.641	ug/l	94
56) Ethyl methacrylate	9.116	69	92398	53.852	ug/l	95
57) 1,3-Dichloropropane	9.305	76	98606	50.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	225960	262.647	ug/l	97
59) 2-Hexanone	9.427	43	383359	265.393	ug/l	99
60) Dibromochloromethane	9.518	129	62373	55.394	ug/l	98
61) 1,2-Dibromoethane	9.610	107	62607	51.873	ug/l	100
64) Tetrachloroethene	9.268	164	50764	49.046	ug/l	96
65) Chlorobenzene	10.079	112	148774	52.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54320	54.541	ug/l	99
67) Ethyl Benzene	10.189	91	284543	53.260	ug/l	97
68) m/p-Xylenes	10.299	106	208743	107.153	ug/l	94
69) o-Xylene	10.640	106	102021	52.981	ug/l	95
70) Styrene	10.652	104	170607	53.748	ug/l	99
71) Bromoform	10.799	173	43937	54.568	ug/l #	98
73) Isopropylbenzene	10.957	105	276094	53.932	ug/l	99
74) N-amyl acetate	10.841	43	133122	56.046	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	96452	52.705	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	81653m	50.753	ug/l	
77) Bromobenzene	11.195	156	64371	51.460	ug/l	99
78) n-propylbenzene	11.305	91	339742	53.727	ug/l	98
79) 2-Chlorotoluene	11.366	91	199124	52.762	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	238596	54.860	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	26863	58.099	ug/l	98
82) 4-Chlorotoluene	11.451	91	237085	53.602	ug/l	98
83) tert-Butylbenzene	11.713	119	221197	53.958	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	237830	54.197	ug/l	100
85) sec-Butylbenzene	11.890	105	294898	54.037	ug/l	99
86) p-Isopropyltoluene	12.006	119	245665	56.340	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	125789	52.577	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	127339	51.340	ug/l	99
89) n-Butylbenzene	12.329	91	237967	55.468	ug/l	96
90) Hexachloroethane	12.536	117	40676	58.248	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	119166	51.508	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23271	55.762	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	81797	54.918	ug/l	97
94) Hexachlorobutadiene	13.725	225	32204	59.698	ug/l	98
95) Naphthalene	13.774	128	261186	54.645	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	78066	54.438	ug/l	98

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

