

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040445.D
 Acq On : 23 Feb 2024 20:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 22:26:37 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	5.556	168	80243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66270	50.711	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.420%			
35) Dibromofluoromethane	5.391	113	47573	51.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.647	98	173310	51.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.079	95	67125	49.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49881	51.571	ug/l	95
3) Chloromethane	1.295	50	50023	45.749	ug/l	99
4) Vinyl Chloride	1.374	62	53003	48.601	ug/l	97
5) Bromomethane	1.599	94	29362	45.765	ug/l	100
6) Chloroethane	1.679	64	36016	54.796	ug/l	98
7) Trichlorofluoromethane	1.886	101	86505	49.716	ug/l	97
8) Diethyl Ether	2.136	74	30539	49.133	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	45033	48.980	ug/l	97
10) Methyl Iodide	2.453	142	55855	52.211	ug/l	98
11) Tert butyl alcohol	2.965	59	60154	238.130	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	43104	48.608	ug/l	99
13) Acrolein	2.239	56	44408	146.934	ug/l	100
14) Allyl chloride	2.666	41	80588	49.208	ug/l	95
15) Acrylonitrile	3.062	53	146193	246.846	ug/l	99
16) Acetone	2.380	43	125962	231.329	ug/l	97
17) Carbon Disulfide	2.508	76	120052	49.244	ug/l	99
18) Methyl Acetate	2.703	43	75379	53.443	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158948	50.271	ug/l	100
20) Methylene Chloride	2.788	84	50868	44.616	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	47535	47.507	ug/l	99
22) Diisopropyl ether	3.764	45	163099	50.383	ug/l	91
23) Vinyl Acetate	3.721	43	742895	251.455	ug/l	100
24) 1,1-Dichloroethane	3.611	63	92843	49.595	ug/l	99
25) 2-Butanone	4.556	43	211797	249.490	ug/l	98
26) 2,2-Dichloropropane	4.477	77	65083	53.265	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	55517	49.789	ug/l	99
28) Bromochloromethane	4.898	49	39962	45.768	ug/l	99
29) Tetrahydrofuran	5.007	42	141523	250.434	ug/l	99
30) Chloroform	5.099	83	99302	49.217	ug/l	98
31) Cyclohexane	5.471	56	77314	49.346	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	85966	51.467	ug/l	98
36) 1,1-Dichloropropene	5.690	75	73652	51.281	ug/l	98
37) Ethyl Acetate	4.715	43	84194	51.308	ug/l	99
38) Carbon Tetrachloride	5.678	117	72201	54.334	ug/l	97
39) Methylcyclohexane	7.379	83	77850	51.144	ug/l	97
40) Benzene	6.038	78	196359	50.255	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	45369	52.068	ug/l	95
42) 1,2-Dichloroethane	6.086	62	84517	52.048	ug/l	99
43) Isopropyl Acetate	6.336	43	131106	52.070	ug/l	98
44) Trichloroethene	7.129	130	52003	50.888	ug/l	99
45) 1,2-Dichloropropane	7.434	63	52717	50.556	ug/l	98
46) Dibromomethane	7.580	93	39153	50.047	ug/l	100
47) Bromodichloromethane	7.824	83	76676	52.663	ug/l	100
48) Methyl methacrylate	7.690	41	68801	55.176	ug/l	94
49) 1,4-Dioxane	7.659	88	24409	971.163	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	441828	258.364	ug/l	98
52) Toluene	8.720	92	125109	52.249	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	79245	53.985	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	83031	53.099	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	52096	50.812	ug/l	93
56) Ethyl methacrylate	9.116	69	85314	54.459	ug/l	96
57) 1,3-Dichloropropane	9.305	76	89933	50.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	223695	284.775	ug/l	96
59) 2-Hexanone	9.427	43	350518	265.766	ug/l	98
60) Dibromochloromethane	9.519	129	56363	54.823	ug/l	99
61) 1,2-Dibromoethane	9.610	107	57268	51.968	ug/l	100
64) Tetrachloroethene	9.275	164	46598	48.808	ug/l	98
65) Chlorobenzene	10.079	112	133318	50.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	48875	53.202	ug/l	99
67) Ethyl Benzene	10.195	91	253701	51.482	ug/l	99
68) m/p-Xylenes	10.299	106	186501	103.789	ug/l	95
69) o-Xylene	10.640	106	90249	50.810	ug/l	94
70) Styrene	10.653	104	152575	52.111	ug/l	98
71) Bromoform	10.799	173	40126	54.028	ug/l #	99
73) Isopropylbenzene	10.964	105	243603	53.165	ug/l	100
74) N-amyl acetate	10.842	43	122190	57.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	86449	52.778	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73386m	50.964	ug/l	
77) Bromobenzene	11.195	156	56427	50.399	ug/l	98
78) n-propylbenzene	11.305	91	299005	52.829	ug/l	99
79) 2-Chlorotoluene	11.366	91	175051	51.822	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	209121	53.722	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	21835	52.762	ug/l	98
82) 4-Chlorotoluene	11.451	91	206700	52.213	ug/l	100
83) tert-Butylbenzene	11.713	119	194481	53.005	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	207968	52.949	ug/l	99
85) sec-Butylbenzene	11.890	105	257385	52.694	ug/l	99
86) p-Isopropyltoluene	12.006	119	213442	54.690	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	108816	50.817	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	109646	49.390	ug/l	98
89) n-Butylbenzene	12.335	91	200527	52.222	ug/l	97
90) Hexachloroethane	12.536	117	35011	56.015	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	104320	50.378	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22388	59.937	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	70752	53.073	ug/l	97
94) Hexachlorobutadiene	13.725	225	26336	54.546	ug/l	98
95) Naphthalene	13.774	128	241586	56.472	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	69393	54.064	ug/l	98

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

