

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040408.D
 Acq On : 22 Feb 2024 17:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 00:10:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	75391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62297	55.543	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.080%			
35) Dibromofluoromethane	5.385	113	46622	51.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.647	98	165761	49.020	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.040%			
62) 4-Bromofluorobenzene	11.079	95	67042	48.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	39918	46.874	ug/l	97
3) Chloromethane	1.295	50	41178	46.890	ug/l	98
4) Vinyl Chloride	1.374	62	42778	46.096	ug/l	91
5) Bromomethane	1.599	94	24996	47.730	ug/l	97
6) Chloroethane	1.679	64	26855	45.883	ug/l	98
7) Trichlorofluoromethane	1.886	101	72600	48.713	ug/l	99
8) Diethyl Ether	2.136	74	26980	48.192	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	39385	49.266	ug/l	98
10) Methyl Iodide	2.453	142	43737	49.279	ug/l	97
11) Tert butyl alcohol	2.965	59	64601	295.698	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	37206	48.337	ug/l	92
13) Acrolein	2.233	56	52256	259.143	ug/l	100
14) Allyl chloride	2.660	41	72820	54.516	ug/l	97
15) Acrylonitrile	3.063	53	146052	298.784	ug/l	99
16) Acetone	2.380	43	131987	286.524	ug/l	95
17) Carbon Disulfide	2.508	76	75287	37.049	ug/l	97
18) Methyl Acetate	2.703	43	68583	55.538	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	149725	55.215	ug/l	97
20) Methylene Chloride	2.788	84	46712	54.226	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	39568	45.137	ug/l	98
22) Diisopropyl ether	3.764	45	157442	58.118	ug/l	90
23) Vinyl Acetate	3.721	43	718372	297.468	ug/l	99
24) 1,1-Dichloroethane	3.611	63	86611	54.886	ug/l	98
25) 2-Butanone	4.550	43	209897	291.501	ug/l	99
26) 2,2-Dichloropropane	4.477	77	61913	50.968	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	50197	50.195	ug/l	100
28) Bromochloromethane	4.898	49	37789	56.404	ug/l	99
29) Tetrahydrofuran	5.001	42	135325	288.471	ug/l	100
30) Chloroform	5.093	83	91888	53.858	ug/l	97
31) Cyclohexane	5.471	56	61983	46.332	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	75810	52.819	ug/l	98
36) 1,1-Dichloropropene	5.690	75	60905	48.096	ug/l	99
37) Ethyl Acetate	4.715	43	78199	55.499	ug/l	99
38) Carbon Tetrachloride	5.678	117	59947	49.789	ug/l	97
39) Methylcyclohexane	7.379	83	62640	42.565	ug/l	97
40) Benzene	6.038	78	176078	49.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	44271	59.268	ug/l	95
42) 1,2-Dichloroethane	6.086	62	76947	55.592	ug/l	100
43) Isopropyl Acetate	6.336	43	125938	57.256	ug/l	98
44) Trichloroethene	7.123	130	46570	47.676	ug/l	93
45) 1,2-Dichloropropane	7.428	63	49997	54.244	ug/l	98
46) Dibromomethane	7.580	93	35747	52.660	ug/l	99
47) Bromodichloromethane	7.824	83	72408	55.358	ug/l	99
48) Methyl methacrylate	7.690	41	64369	57.193	ug/l	95
49) 1,4-Dioxane	7.659	88	24079	983.446	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	439451	292.629	ug/l	98
52) Toluene	8.720	92	111073	47.886	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	73382	47.218	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	77249	52.698	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	50560	51.106	ug/l	95
56) Ethyl methacrylate	9.116	69	79480	53.665	ug/l	96
57) 1,3-Dichloropropane	9.311	76	84969	52.620	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	181827	259.523	ug/l	96
59) 2-Hexanone	9.427	43	343146	288.201	ug/l	98
60) Dibromochloromethane	9.519	129	52236	51.825	ug/l	99
61) 1,2-Dibromoethane	9.610	107	51693	49.158	ug/l	99
64) Tetrachloroethene	9.275	164	39896	46.414	ug/l	98
65) Chlorobenzene	10.080	112	124177	48.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	46468	52.409	ug/l	99
67) Ethyl Benzene	10.195	91	229799	50.402	ug/l	97
68) m/p-Xylenes	10.299	106	168657	97.945	ug/l	97
69) o-Xylene	10.640	106	82986	49.593	ug/l	96
70) Styrene	10.653	104	142047	51.058	ug/l	98
71) Bromoform	10.799	173	37956	45.736	ug/l #	100
73) Isopropylbenzene	10.964	105	225656	49.643	ug/l	100
74) N-amyl acetate	10.842	43	115092	59.069	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	86584	53.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70795m	54.169	ug/l	
77) Bromobenzene	11.195	156	53507	49.838	ug/l	99
78) n-propylbenzene	11.305	91	278098	50.533	ug/l	98
79) 2-Chlorotoluene	11.366	91	162318	48.844	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	192434	50.285	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	21959	47.382	ug/l	98
82) 4-Chlorotoluene	11.451	91	193340	49.103	ug/l	99
83) tert-Butylbenzene	11.713	119	185033	49.317	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	194538	50.247	ug/l	100
85) sec-Butylbenzene	11.890	105	244275	50.661	ug/l	99
86) p-Isopropyltoluene	12.006	119	195642	49.499	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	103940	48.862	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	105675	46.913	ug/l	99
89) n-Butylbenzene	12.335	91	190474	49.923	ug/l	96
90) Hexachloroethane	12.536	117	32541	52.196	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	102955	49.995	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20309	53.881	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	68073	48.284	ug/l	97
94) Hexachlorobutadiene	13.725	225	25779	45.815	ug/l	98
95) Naphthalene	13.774	128	224019	50.310	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	66450	49.447	ug/l	98

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

