

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036301.D
 Acq On : 24 Jun 2023 11:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 26 03:20:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	203025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	340660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153905	52.884	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.760%			
35) Dibromofluoromethane	5.385	113	122837	54.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.380%			
50) Toluene-d8	8.647	98	450506	53.698	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.400%			
62) 4-Bromofluorobenzene	11.079	95	165914	56.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	99162	51.590	ug/l	99
3) Chloromethane	1.294	50	155000	46.486	ug/l	97
4) Vinyl Chloride	1.374	62	174714	47.929	ug/l	100
5) Bromomethane	1.618	94	127376	47.754	ug/l	99
6) Chloroethane	1.691	64	133817	50.005	ug/l	99
7) Trichlorofluoromethane	1.886	101	281398	50.775	ug/l	99
8) Diethyl Ether	2.130	74	106971	50.001	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	124207	53.401	ug/l	97
10) Methyl Iodide	2.453	142	145849	51.750	ug/l	91
11) Tert butyl alcohol	3.020	59	130892	247.086	ug/l	100
12) 1,1-Dichloroethene	2.319	96	114894	49.795	ug/l	95
13) Acrolein	2.239	56	182644	251.047	ug/l	99
14) Allyl chloride	2.666	41	199970	53.330	ug/l	97
15) Acrylonitrile	3.068	53	340834	253.834	ug/l	99
16) Acetone	2.398	43	335307	269.559	ug/l	91
17) Carbon Disulfide	2.514	76	289379	51.066	ug/l	99
18) Methyl Acetate	2.709	43	260590	50.944	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	387824	52.011	ug/l	97
20) Methylene Chloride	2.788	84	128536	47.992	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	122168	49.618	ug/l	95
22) Diisopropyl ether	3.757	45	391193	52.065	ug/l	90
23) Vinyl Acetate	3.721	43	1467185	269.078	ug/l	98
24) 1,1-Dichloroethane	3.611	63	228161	51.526	ug/l	99
25) 2-Butanone	4.562	43	473406	264.879	ug/l	96
26) 2,2-Dichloropropane	4.477	77	186479	59.379	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	141645	51.297	ug/l	95
28) Bromochloromethane	4.891	49	98550	42.913	ug/l	93
29) Tetrahydrofuran	5.013	42	291103	255.830	ug/l	95
30) Chloroform	5.093	83	228669	51.271	ug/l	95
31) Cyclohexane	5.471	56	195720	52.480	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	200877	53.920	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172525	51.527	ug/l	98
37) Ethyl Acetate	4.708	43	181593	53.212	ug/l	98
38) Carbon Tetrachloride	5.678	117	172257	56.329	ug/l	98
39) Methylcyclohexane	7.379	83	222464	55.472	ug/l	95
40) Benzene	6.037	78	494062	52.822	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	100146	52.900	ug/l	94
42) 1,2-Dichloroethane	6.080	62	188815	53.074	ug/l	98
43) Isopropyl Acetate	6.336	43	295590	54.296	ug/l	98
44) Trichloroethene	7.123	130	133545	51.332	ug/l	92
45) 1,2-Dichloropropane	7.427	63	135565	53.217	ug/l	97
46) Dibromomethane	7.580	93	93970	52.405	ug/l	94
47) Bromodichloromethane	7.818	83	178566	55.067	ug/l	99
48) Methyl methacrylate	7.690	41	148630	54.756	ug/l	94
49) 1,4-Dioxane	7.714	88	54504	905.761	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	933426	266.130	ug/l	98
52) Toluene	8.720	92	305538	51.545	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	195169	59.583	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	211612	57.148	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	127391	51.712	ug/l	94
56) Ethyl methacrylate	9.116	69	201081	54.571	ug/l	98
57) 1,3-Dichloropropane	9.305	76	217387	51.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	567677	274.136	ug/l	98
59) 2-Hexanone	9.427	43	711558	277.812	ug/l	98
60) Dibromochloromethane	9.519	129	133051	55.588	ug/l	99
61) 1,2-Dibromoethane	9.610	107	136989	52.399	ug/l	98
64) Tetrachloroethene	9.275	164	111807	51.647	ug/l	97
65) Chlorobenzene	10.079	112	341295	52.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	121778	55.900	ug/l	97
67) Ethyl Benzene	10.195	91	613948	53.582	ug/l	99
68) m/p-Xylenes	10.299	106	473378	106.337	ug/l	96
69) o-Xylene	10.640	106	230568	53.634	ug/l	97
70) Styrene	10.653	104	376249	53.455	ug/l	97
71) Bromoform	10.799	173	92648	59.292	ug/l #	99
73) Isopropylbenzene	10.963	105	595560	52.912	ug/l	98
74) N-amyl acetate	10.842	43	258966	58.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	196076	51.442	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	165152m	51.840	ug/l	
77) Bromobenzene	11.195	156	142035	51.320	ug/l	94
78) n-propylbenzene	11.305	91	706533	53.749	ug/l	99
79) 2-Chlorotoluene	11.366	91	405092	51.804	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	508054	53.299	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	57846	59.189	ug/l	94
82) 4-Chlorotoluene	11.451	91	481571	52.898	ug/l	97
83) tert-Butylbenzene	11.713	119	493963	54.072	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	501768	53.207	ug/l	97
85) sec-Butylbenzene	11.890	105	628294	54.290	ug/l	100
86) p-Isopropyltoluene	12.006	119	531958	54.771	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	270877	53.233	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	269982	52.106	ug/l	98
89) n-Butylbenzene	12.329	91	489077	56.582	ug/l	98
90) Hexachloroethane	12.536	117	84168	57.217	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	264459	52.782	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41547	57.387	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	170840	55.357	ug/l	97
94) Hexachlorobutadiene	13.725	225	70190	55.532	ug/l	100
95) Naphthalene	13.774	128	555114	54.446	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	165449	54.959	ug/l	98

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

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