

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036954.D
 Acq On : 14 Aug 2023 10:17
 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 08/15/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 15 01:26:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	153608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	256663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106359	46.795	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.600%		
35) Dibromofluoromethane	5.379	113	89638	50.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.620%		
50) Toluene-d8	8.647	98	291682	46.624	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.240%		
62) 4-Bromofluorobenzene	11.079	95	122173	51.761	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	106627	52.546	ug/l	100
3) Chloromethane	1.300	50	85342	46.239	ug/l	96
4) Vinyl Chloride	1.374	62	95748	50.954	ug/l	99
5) Bromomethane	1.599	94	63297	56.422	ug/l	100
6) Chloroethane	1.678	64	60798	66.549	ug/l	100
7) Trichlorofluoromethane	1.886	101	174200	60.030	ug/l	100
8) Diethyl Ether	2.136	74	60906	54.250	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	98253	56.356	ug/l	98
10) Methyl Iodide	2.453	142	118289	65.323	ug/l	94
11) Tert butyl alcohol	2.959	59	125548	233.324	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	90850	52.819	ug/l	87
13) Acrolein	2.233	56	75319	245.271	ug/l	97
14) Allyl chloride	2.660	41	151778	44.812	ug/l #	94
15) Acrylonitrile	3.062	53	264190	244.143	ug/l	99
16) Acetone	2.379	43	239888	254.348	ug/l #	89
17) Carbon Disulfide	2.508	76	220091	46.362	ug/l	99
18) Methyl Acetate	2.703	43	188694	47.558	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	350493	54.226	ug/l	97
20) Methylene Chloride	2.788	84	103551	49.368	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	100466	52.262	ug/l	90
22) Diisopropyl ether	3.757	45	306140	47.604	ug/l #	86
23) Vinyl Acetate	3.715	43	1181569	239.524	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	186322	51.676	ug/l	97
25) 2-Butanone	4.550	43	365737	239.012	ug/l	90
26) 2,2-Dichloropropane	4.471	77	183846	54.113	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	121276	53.115	ug/l	93
28) Bromochloromethane	4.897	49	80433	46.126	ug/l #	81
29) Tetrahydrofuran	4.995	42	224823	227.888	ug/l #	86
30) Chloroform	5.086	83	203246	55.098	ug/l	96
31) Cyclohexane	5.464	56	148165	47.082	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	187950	55.606	ug/l	97
36) 1,1-Dichloropropene	5.684	75	144205	54.842	ug/l	98
37) Ethyl Acetate	4.708	43	142814	47.986	ug/l #	95
38) Carbon Tetrachloride	5.672	117	164070	58.691	ug/l	99
39) Methylcyclohexane	7.379	83	158218	48.390	ug/l	92
40) Benzene	6.031	78	413051	53.991	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	77779	48.863	ug/l #	90
42) 1,2-Dichloroethane	6.080	62	161605	57.776	ug/l	96
43) Isopropyl Acetate	6.336	43	245476	47.916	ug/l #	94
44) Trichloroethene	7.123	130	115454	57.736	ug/l	97
45) 1,2-Dichloropropane	7.427	63	106797	52.286	ug/l	98
46) Dibromomethane	7.574	93	80551	56.348	ug/l	95
47) Bromodichloromethane	7.818	83	164724	56.137	ug/l	97
48) Methyl methacrylate	7.690	41	116947	49.086	ug/l #	86
49) 1,4-Dioxane	7.653	88	49418	1026.745	ug/l #	89
51) 4-Methyl-2-Pentanone	8.567	43	704379	248.452	ug/l	93
52) Toluene	8.714	92	271324	56.601	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	181894	54.845	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	189597	54.177	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	113050	56.104	ug/l	97
56) Ethyl methacrylate	9.116	69	179432	54.685	ug/l	90
57) 1,3-Dichloropropane	9.305	76	188978	56.308	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	401149	248.123	ug/l	94
59) 2-Hexanone	9.427	43	539366	256.342	ug/l	92
60) Dibromochloromethane	9.518	129	130044	58.718	ug/l	99
61) 1,2-Dibromoethane	9.610	107	121325	58.096	ug/l	100
64) Tetrachloroethene	9.268	164	106087	61.615	ug/l	98
65) Chlorobenzene	10.079	112	293463	57.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	115288	58.620	ug/l	99
67) Ethyl Benzene	10.195	91	522589	56.220	ug/l	99
68) m/p-Xylenes	10.299	106	399974	115.326	ug/l	99
69) o-Xylene	10.640	106	198714	57.401	ug/l	99
70) Styrene	10.652	104	332962	58.295	ug/l	98
71) Bromoform	10.799	173	93130	58.498	ug/l #	99
73) Isopropylbenzene	10.963	105	511349	52.645	ug/l	98
74) N-amyl acetate	10.841	43	203796	44.993	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	163502	49.838	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	146002m	52.887	ug/l	
77) Bromobenzene	11.195	156	123365	55.770	ug/l	94
78) n-propylbenzene	11.305	91	584244	52.009	ug/l	100
79) 2-Chlorotoluene	11.366	91	357311	52.491	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	430676	53.001	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	58437	47.979	ug/l	86
82) 4-Chlorotoluene	11.451	91	415455	53.566	ug/l	98
83) tert-Butylbenzene	11.713	119	409776	51.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	432379	53.206	ug/l	96
85) sec-Butylbenzene	11.890	105	498878	50.112	ug/l	99
86) p-Isopropyltoluene	12.006	119	424452	51.815	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	228472	55.766	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	227530	55.961	ug/l	99
89) n-Butylbenzene	12.329	91	364036	49.643	ug/l	99
90) Hexachloroethane	12.536	117	78241	47.114	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	221946	56.138	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39068	51.247	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	133696	54.888	ug/l	97
94) Hexachlorobutadiene	13.725	225	54047	53.634	ug/l	98
95) Naphthalene	13.774	128	471193	55.512	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	130991	54.563	ug/l	97

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

