

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033862.D
 Acq On : 24 Jan 2023 11:12
 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 01/25/2023
 Supervised By : Mahesh Dadoda 01/26/2023

Quant Time: Jan 25 03:13:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	171607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	240656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	217315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81943	45.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.700%			
35) Dibromofluoromethane	5.379	113	76200	50.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	8.647	98	274779	50.467	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	101731	50.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64003	47.195	ug/l	99
3) Chloromethane	1.294	50	73240	48.894	ug/l	98
4) Vinyl Chloride	1.374	62	74297	51.108	ug/l	100
5) Bromomethane	1.618	94	46200	55.312	ug/l	100
6) Chloroethane	1.691	64	37133	41.316	ug/l	100
7) Trichlorofluoromethane	1.886	101	113349	48.080	ug/l	98
8) Diethyl Ether	2.130	74	44948	58.229	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	72585	53.376	ug/l	93
10) Methyl Iodide	2.453	142	98463	51.656	ug/l	93
11) Tert butyl alcohol	2.995	59	60217m	191.843	ug/l	
12) 1,1-Dichloroethene	2.319	96	68701	49.201	ug/l	91
13) Acrolein	2.233	56	105872	365.566	ug/l	100
14) Allyl chloride	2.666	41	122635	46.565	ug/l	89
15) Acrylonitrile	3.062	53	191305	231.581	ug/l	99
16) Acetone	2.386	43	175497	268.163	ug/l	92
17) Carbon Disulfide	2.514	76	167211	47.416	ug/l	100
18) Methyl Acetate	2.703	43	116878	46.350	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	241888	49.877	ug/l	100
20) Methylene Chloride	2.788	84	77682	49.416	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	75183	46.058	ug/l	96
22) Diisopropyl ether	3.751	45	246603	46.539	ug/l	96
23) Vinyl Acetate	3.715	43	944256	236.718	ug/l	98
24) 1,1-Dichloroethane	3.605	63	133901	46.188	ug/l	100
25) 2-Butanone	4.556	43	259437	219.754	ug/l	97
26) 2,2-Dichloropropane	4.471	77	102306	49.266	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	90055	47.986	ug/l	96
28) Bromochloromethane	4.891	49	57472	43.521	ug/l	93
29) Tetrahydrofuran	5.001	42	164687	221.331	ug/l	98
30) Chloroform	5.086	83	138740	46.725	ug/l	99
31) Cyclohexane	5.471	56	119090	44.791	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	120707	47.614	ug/l	98
36) 1,1-Dichloropropene	5.684	75	101809	46.681	ug/l	99
37) Ethyl Acetate	4.702	43	102462	49.191	ug/l	99
38) Carbon Tetrachloride	5.672	117	110226	48.798	ug/l	98
39) Methylcyclohexane	7.379	83	128575	47.739	ug/l	99
40) Benzene	6.031	78	305075	47.991	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	59618	49.606	ug/l	98
42) 1,2-Dichloroethane	6.080	62	104258	46.279	ug/l	98
43) Isopropyl Acetate	6.336	43	164327	47.728	ug/l	97
44) Trichloroethene	7.123	130	90638	50.988	ug/l	99
45) 1,2-Dichloropropane	7.427	63	79152	49.705	ug/l	95
46) Dibromomethane	7.574	93	54284	48.804	ug/l	96
47) Bromodichloromethane	7.818	83	109193	50.939	ug/l	98
48) Methyl methacrylate	7.690	41	83774	48.302	ug/l	96
49) 1,4-Dioxane	7.714	88	29343	764.860	ug/l #	93
51) 4-Methyl-2-Pentanone	8.568	43	499830	236.381	ug/l	98
52) Toluene	8.714	92	198373	48.323	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	115892	54.061	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	128126	53.340	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	82191	50.580	ug/l	98
56) Ethyl methacrylate	9.116	69	120295	52.602	ug/l	97
57) 1,3-Dichloropropane	9.305	76	133124	50.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	268318	238.237	ug/l	98
59) 2-Hexanone	9.427	43	373101	253.511	ug/l	99
60) Dibromochloromethane	9.519	129	94237	55.938	ug/l	100
61) 1,2-Dibromoethane	9.610	107	85454	52.694	ug/l	98
64) Tetrachloroethene	9.269	164	82218	53.854	ug/l	97
65) Chlorobenzene	10.079	112	225210	50.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	87644	52.936	ug/l	99
67) Ethyl Benzene	10.189	91	382351	49.500	ug/l	100
68) m/p-Xylenes	10.299	106	306046	101.298	ug/l	99
69) o-Xylene	10.640	106	148318	49.502	ug/l	100
70) Styrene	10.653	104	251891	51.693	ug/l	99
71) Bromoform	10.799	173	76390	55.061	ug/l #	100
73) Isopropylbenzene	10.963	105	392616	51.716	ug/l	99
74) N-amyl acetate	10.842	43	142159	46.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	113688	51.216	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	93556m	44.062	ug/l	
77) Bromobenzene	11.195	156	105989	51.733	ug/l	98
78) n-propylbenzene	11.305	91	440440	46.707	ug/l	99
79) 2-Chlorotoluene	11.360	91	257707	50.625	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	327086	47.037	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34785	50.915	ug/l	95
82) 4-Chlorotoluene	11.451	91	297956	51.173	ug/l	99
83) tert-Butylbenzene	11.713	119	337999	48.954	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	323564	49.190	ug/l	100
85) sec-Butylbenzene	11.890	105	409810	49.624	ug/l	99
86) p-Isopropyltoluene	12.006	119	357450	50.556	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	193373	49.522	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	195635	49.182	ug/l	100
89) n-Butylbenzene	12.329	91	293638	50.765	ug/l	99
90) Hexachloroethane	12.536	117	61384	52.779	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	188611	50.056	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23340	49.494	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	138479	54.560	ug/l	99
94) Hexachlorobutadiene	13.725	225	66193	53.240	ug/l	99
95) Naphthalene	13.774	128	375590	51.436	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	135391	53.310	ug/l	98

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

