

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033700.D
 Acq On : 12 Jan 2023 09:47
 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 01/13/2023
 Supervised By : Mahesh Dadoda 01/13/2023

Quant Time: Jan 13 00:35:59 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	5.550	168	198716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	279949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96376	46.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.120%		
35) Dibromofluoromethane	5.379	113	84992	48.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	8.647	98	312310	49.309	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.620%		
62) 4-Bromofluorobenzene	11.079	95	117316	49.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	72581	46.220	ug/l	98
3) Chloromethane	1.294	50	86505	49.871	ug/l	95
4) Vinyl Chloride	1.374	62	84629	50.273	ug/l	99
5) Bromomethane	1.618	94	43742	45.225	ug/l	100
6) Chloroethane	1.691	64	49089	47.168	ug/l	100
7) Trichlorofluoromethane	1.886	101	123162	45.115	ug/l	98
8) Diethyl Ether	2.130	74	39046	43.682	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	75951	48.301	ug/l	98
10) Methyl Iodide	2.453	142	112955	51.175	ug/l	95
11) Tert butyl alcohol	3.032	59	80166m	220.556	ug/l	
12) 1,1-Dichloroethene	2.319	96	67380	41.672	ug/l	99
13) Acrolein	2.239	56	66724	198.962	ug/l	100
14) Allyl chloride	2.666	41	141493	46.396	ug/l	90
15) Acrylonitrile	3.069	53	214141	223.861	ug/l	99
16) Acetone	2.398	43	209976	277.511	ug/l	96
17) Carbon Disulfide	2.514	76	198037	48.454	ug/l	98
18) Methyl Acetate	2.703	43	130123	44.563	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	252372	44.940	ug/l	99
20) Methylene Chloride	2.788	84	85505	46.842	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	82805	43.807	ug/l	99
22) Diisopropyl ether	3.757	45	265508	43.271	ug/l	95
23) Vinyl Acetate	3.721	43	1048641	227.023	ug/l	98
24) 1,1-Dichloroethane	3.605	63	148960	44.373	ug/l	99
25) 2-Butanone	4.562	43	301024	220.195	ug/l	97
26) 2,2-Dichloropropane	4.477	77	109134	45.384	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	96281	44.305	ug/l	98
28) Bromochloromethane	4.891	49	72181	47.203	ug/l	97
29) Tetrahydrofuran	5.013	42	187696	217.841	ug/l	99
30) Chloroform	5.093	83	148977	43.328	ug/l	98
31) Cyclohexane	5.471	56	138587	45.013	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	130163	44.339	ug/l	99
36) 1,1-Dichloropropene	5.690	75	114692	45.207	ug/l	100
37) Ethyl Acetate	4.715	43	115020	47.363	ug/l	100
38) Carbon Tetrachloride	5.672	117	120516	45.865	ug/l	100
39) Methylcyclohexane	7.379	83	148010	47.242	ug/l	99
40) Benzene	6.037	78	335526	45.373	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	65542	46.880	ug/l	98
42) 1,2-Dichloroethane	6.086	62	116001	44.265	ug/l	99
43) Isopropyl Acetate	6.336	43	184141	45.976	ug/l	99
44) Trichloroethene	7.123	130	97581	47.189	ug/l	99
45) 1,2-Dichloropropane	7.428	63	86884	46.903	ug/l	98
46) Dibromomethane	7.580	93	58993	45.593	ug/l	99
47) Bromodichloromethane	7.818	83	115684	46.393	ug/l	95
48) Methyl methacrylate	7.690	41	93315	46.252	ug/l	97
49) 1,4-Dioxane	7.738	88	42973	962.921	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	569959	231.714	ug/l	100
52) Toluene	8.714	92	217380	45.520	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	123527	49.535	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	136232	48.754	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	87181	46.120	ug/l	99
56) Ethyl methacrylate	9.116	69	129544	48.696	ug/l	99
57) 1,3-Dichloropropane	9.305	76	143856	46.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	314057	239.710	ug/l	100
59) 2-Hexanone	9.427	43	419044	244.764	ug/l	99
60) Dibromochloromethane	9.519	129	97650	49.828	ug/l	100
61) 1,2-Dibromoethane	9.610	107	93516	49.571	ug/l	99
64) Tetrachloroethene	9.275	164	87763	49.740	ug/l	97
65) Chlorobenzene	10.079	112	242133	46.678	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	91664	48.016	ug/l	99
67) Ethyl Benzene	10.195	91	417742	46.904	ug/l	100
68) m/p-Xylenes	10.299	106	335708	96.368	ug/l	99
69) o-Xylene	10.640	106	163816	47.418	ug/l	100
70) Styrene	10.653	104	274922	48.931	ug/l	100
71) Bromoform	10.799	173	76650	47.916	ug/l #	99
73) Isopropylbenzene	10.963	105	427290	48.391	ug/l	99
74) N-amyl acetate	10.842	43	160432	45.606	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	123359	47.709	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	115314m	46.849	ug/l	
77) Bromobenzene	11.195	156	113244	47.495	ug/l	98
78) n-propylbenzene	11.305	91	487478	44.594	ug/l	99
79) 2-Chlorotoluene	11.366	91	285932	48.318	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	357342	44.329	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	36957	46.664	ug/l	99
82) 4-Chlorotoluene	11.451	91	328372	48.494	ug/l	99
83) tert-Butylbenzene	11.713	119	368281	46.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	357905	46.937	ug/l	100
85) sec-Butylbenzene	11.890	105	452859	47.304	ug/l	100
86) p-Isopropyltoluene	12.006	119	394496	48.132	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	207714	45.888	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	212468	46.077	ug/l	100
89) n-Butylbenzene	12.329	91	330066	49.225	ug/l	99
90) Hexachloroethane	12.536	117	64273	47.672	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	201870	46.216	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25447	46.550	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	145314	49.389	ug/l	99
94) Hexachlorobutadiene	13.725	225	70450	48.881	ug/l	99
95) Naphthalene	13.774	128	411420	48.604	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	142743	48.485	ug/l	100

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

