

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036602.D
 Acq On : 21 Jul 2023 10:33
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Jul 21 11:47:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 11:46:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	186393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	322720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	141354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50236	18.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	37.360%#		
35) Dibromofluoromethane	5.385	113	41129	19.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.420%#		
50) Toluene-d8	8.647	98	149216	18.833	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.660%#		
62) 4-Bromofluorobenzene	11.079	95	57293	20.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48135	25.753	ug/l	100
3) Chloromethane	1.300	50	45430	15.639	ug/l	100
4) Vinyl Chloride	1.374	62	46261	14.606	ug/l	96
5) Bromomethane	1.617	94	26586	11.855	ug/l	100
6) Chloroethane	1.691	64	24862	11.060	ug/l	99
7) Trichlorofluoromethane	1.886	101	71383	14.759	ug/l	96
8) Diethyl Ether	2.136	74	26054	14.051	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	42698	20.085	ug/l	99
10) Methyl Iodide	2.453	142	43935	17.500	ug/l	91
11) Tert butyl alcohol	2.989	59	72607	139.472	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	40975	19.430	ug/l	93
13) Acrolein	2.239	56	36294	58.915	ug/l	98
14) Allyl chloride	2.666	41	82260	23.253	ug/l	93
15) Acrylonitrile	3.068	53	141224	113.005	ug/l	98
16) Acetone	2.392	43	130118	113.028	ug/l	91
17) Carbon Disulfide	2.514	76	115338	21.775	ug/l	100
18) Methyl Acetate	2.709	43	102317	21.612	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	154414	22.063	ug/l	100
20) Methylene Chloride	2.788	84	48302	19.562	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	46146	20.281	ug/l	91
22) Diisopropyl ether	3.757	45	158393	22.518	ug/l	99
23) Vinyl Acetate	3.721	43	615389	119.295	ug/l	97
24) 1,1-Dichloroethane	3.611	63	87657	21.292	ug/l	98
25) 2-Butanone	4.562	43	207376	123.267	ug/l	97
26) 2,2-Dichloropropane	4.477	77	82747	26.884	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	54512	21.216	ug/l	96
28) Bromochloromethane	4.897	49	42470	19.877	ug/l	97
29) Tetrahydrofuran	5.013	42	131903	122.551	ug/l	97
30) Chloroform	5.092	83	89579	21.554	ug/l	97
31) Cyclohexane	5.477	56	78245	22.319	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	82307	23.360	ug/l	99
36) 1,1-Dichloropropene	5.696	75	66781	20.864	ug/l	98
37) Ethyl Acetate	4.714	43	79176	23.773	ug/l	97
38) Carbon Tetrachloride	5.678	117	69829	23.346	ug/l	97
39) Methylcyclohexane	7.379	83	83297	21.686	ug/l	96
40) Benzene	6.037	78	193325	21.485	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42772	23.309	ug/l	95
42) 1,2-Dichloroethane	6.086	62	70149	20.631	ug/l	95
43) Isopropyl Acetate	6.342	43	129260	24.098	ug/l	96
44) Trichloroethene	7.129	130	49912	20.118	ug/l	99
45) 1,2-Dichloropropane	7.427	63	50543	20.733	ug/l	98
46) Dibromomethane	7.580	93	34993	20.357	ug/l	97
47) Bromodichloromethane	7.824	83	72868	23.059	ug/l	99
48) Methyl methacrylate	7.690	41	61961	23.393	ug/l	94
49) 1,4-Dioxane	7.702	88	28525	494.633	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	394672	116.889	ug/l	98
52) Toluene	8.720	92	122698	21.534	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	83235	25.461	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	87906	24.194	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	49039	20.746	ug/l	95
56) Ethyl methacrylate	9.116	69	83085	23.022	ug/l	97
57) 1,3-Dichloropropane	9.305	76	84524	20.823	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	221635	113.213	ug/l	100
59) 2-Hexanone	9.427	43	302799	122.603	ug/l	95
60) Dibromochloromethane	9.518	129	54650	23.209	ug/l	99
61) 1,2-Dibromoethane	9.610	107	52999	21.139	ug/l	100
64) Tetrachloroethene	9.275	164	43889	20.962	ug/l	98
65) Chlorobenzene	10.079	112	129768	20.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	50051	23.357	ug/l	99
67) Ethyl Benzene	10.195	91	240888	21.676	ug/l	99
68) m/p-Xylenes	10.299	106	181992	42.383	ug/l	99
69) o-Xylene	10.640	106	90171	21.554	ug/l	99
70) Styrene	10.652	104	149047	21.771	ug/l	99
71) Bromoform	10.799	173	41168	26.017	ug/l #	99
73) Isopropylbenzene	10.963	105	236263	21.999	ug/l	98
74) N-amyl acetate	10.841	43	110153	25.220	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	78563	21.583	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	68378m	22.268	ug/l	
77) Bromobenzene	11.195	156	53158	20.203	ug/l	98
78) n-propylbenzene	11.305	91	275191	21.900	ug/l	100
79) 2-Chlorotoluene	11.366	91	163351	21.796	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	198885	21.847	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29344	28.395	ug/l	86
82) 4-Chlorotoluene	11.451	91	188417	21.664	ug/l	99
83) tert-Butylbenzene	11.713	119	193685	22.120	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	200015	22.168	ug/l	98
85) sec-Butylbenzene	11.890	105	244411	22.044	ug/l	99
86) p-Isopropyltoluene	12.006	119	203442	21.921	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	99020	20.475	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	98901	20.098	ug/l	99
89) n-Butylbenzene	12.329	91	181536	21.948	ug/l	100
90) Hexachloroethane	12.536	117	40679	27.420	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	96044	20.213	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18784	26.319	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	57936	19.798	ug/l	96
94) Hexachlorobutadiene	13.725	225	24288	20.209	ug/l	99
95) Naphthalene	13.774	128	204173	21.055	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	57004	20.003	ug/l	100

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

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