

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
 Data File : VX037060.D
 Acq On : 17 Aug 2023 14:46
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

Quant Time: Aug 18 06:05:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 05:51:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	171914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	297852	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	128371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	41535	16.758	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	33.520%#		
35) Dibromofluoromethane	5.385	113	32559	16.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.020%#		
50) Toluene-d8	8.647	98	120141	16.790	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	33.580%#		
62) 4-Bromofluorobenzene	11.079	95	46288	16.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.920%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	46267	23.168	ug/l	97
3) Chloromethane	1.301	50	36052	20.636	ug/l	94
4) Vinyl Chloride	1.374	62	40317	21.201	ug/l	99
5) Bromomethane	1.599	94	21984	23.208	ug/l	99
6) Chloroethane	1.679	64	25190	22.510	ug/l	100
7) Trichlorofluoromethane	1.886	101	70096	22.502	ug/l	99
8) Diethyl Ether	2.136	74	24341	20.197	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	38596	21.238	ug/l	96
10) Methyl Iodide	2.453	142	45556	20.626	ug/l	96
11) Tert butyl alcohol	2.965	59	59260	101.929	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	37215	21.029	ug/l	85
13) Acrolein	2.240	56	41846	94.613	ug/l	99
14) Allyl chloride	2.666	41	57647	21.046	ug/l #	94
15) Acrylonitrile	3.063	53	106424	102.557	ug/l	99
16) Acetone	2.380	43	99306	102.420	ug/l	92
17) Carbon Disulfide	2.508	76	91589	20.347	ug/l	98
18) Methyl Acetate	2.703	43	75102	20.572	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	138341	20.612	ug/l	98
20) Methylene Chloride	2.788	84	41084	18.948	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	41546	20.652	ug/l	88
22) Diisopropyl ether	3.764	45	116269	20.685	ug/l #	87
23) Vinyl Acetate	3.721	43	453075	105.187	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	73192	20.765	ug/l	97
25) 2-Butanone	4.556	43	150845	103.324	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	65987	20.962	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	49243	20.763	ug/l	90
28) Bromochloromethane	4.898	49	31091	19.745	ug/l #	78
29) Tetrahydrofuran	5.007	42	96065	103.181	ug/l #	84
30) Chloroform	5.093	83	81049	20.484	ug/l	99
31) Cyclohexane	5.471	56	59867	21.482	ug/l #	81
32) 1,1,1-Trichloroethane	5.385	97	74485	21.007	ug/l	97
36) 1,1-Dichloropropene	5.690	75	58023	20.704	ug/l	98
37) Ethyl Acetate	4.715	43	57485	20.080	ug/l #	93
38) Carbon Tetrachloride	5.678	117	63769	20.947	ug/l	99
39) Methylcyclohexane	7.385	83	62985	21.391	ug/l	89
40) Benzene	6.038	78	167610	20.853	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30907	20.768	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	65165	20.674	ug/l	96
43) Isopropyl Acetate	6.342	43	94573	20.808	ug/l #	92
44) Trichloroethene	7.123	130	46815	20.541	ug/l	93
45) 1,2-Dichloropropane	7.434	63	41343	20.861	ug/l	97
46) Dibromomethane	7.586	93	31558	20.213	ug/l	93
47) Bromodichloromethane	7.824	83	60945	20.380	ug/l	96
48) Methyl methacrylate	7.696	41	45672	20.605	ug/l #	87
49) 1,4-Dioxane	7.659	88	24136	404.322	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	293917	106.496	ug/l	93
52) Toluene	8.720	92	110221	20.755	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	65694	20.632	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	70775	20.569	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	44695	20.668	ug/l	97
56) Ethyl methacrylate	9.116	69	70106	20.697	ug/l	89
57) 1,3-Dichloropropane	9.311	76	74694	20.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	165000	101.507	ug/l	93
59) 2-Hexanone	9.433	43	222005	105.499	ug/l	91
60) Dibromochloromethane	9.519	129	47069	20.444	ug/l	99
61) 1,2-Dibromoethane	9.610	107	49371	20.852	ug/l	98
64) Tetrachloroethene	9.275	164	40987	20.915	ug/l	97
65) Chlorobenzene	10.080	112	118145	20.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44406	21.191	ug/l	99
67) Ethyl Benzene	10.195	91	208637	20.884	ug/l	99
68) m/p-Xylenes	10.299	106	159797	41.419	ug/l	100
69) o-Xylene	10.640	106	79097	20.780	ug/l	100
70) Styrene	10.653	104	130314	20.784	ug/l	98
71) Bromoform	10.799	173	32642	20.825	ug/l #	99
73) Isopropylbenzene	10.964	105	203612	21.822	ug/l	98
74) N-amyl acetate	10.842	43	78818	21.740	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	65573	20.868	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	56437m	20.644	ug/l	
77) Bromobenzene	11.195	156	48024	21.074	ug/l	94
78) n-propylbenzene	11.305	91	227389	21.886	ug/l	100
79) 2-Chlorotoluene	11.366	91	141475	21.308	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	170847	21.950	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	19502	19.924	ug/l	90
82) 4-Chlorotoluene	11.451	91	163264	21.302	ug/l	98
83) tert-Butylbenzene	11.713	119	159549	21.494	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	168728	21.449	ug/l	97
85) sec-Butylbenzene	11.890	105	190191	21.936	ug/l	98
86) p-Isopropyltoluene	12.006	119	162994	21.838	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	88362	20.711	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	89964	20.758	ug/l	99
89) n-Butylbenzene	12.329	91	132866	21.471	ug/l	98
90) Hexachloroethane	12.536	117	26382	21.177	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	86096	20.608	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14774	20.234	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	49623	20.300	ug/l	96
94) Hexachlorobutadiene	13.725	225	19293	20.430	ug/l	97
95) Naphthalene	13.774	128	203523	19.007	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	49489	20.377	ug/l	99

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

