

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036285.D
 Acq On : 23 Jun 2023 11:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 23 11:43:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 11:37:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	218320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	377153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	343600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60106	15.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	30.140%#		
35) Dibromofluoromethane	5.391	113	47766	18.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.360%#		
50) Toluene-d8	8.647	98	178721	19.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	38.200%#		
62) 4-Bromofluorobenzene	11.079	95	62190	16.468	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.940%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	41491	15.483	ug/l	95
3) Chloromethane	1.294	50	74275	26.197	ug/l	98
4) Vinyl Chloride	1.374	62	79855	29.565	ug/l	97
5) Bromomethane	1.618	94	54825	33.020	ug/l	99
6) Chloroethane	1.691	64	52609	30.102	ug/l	99
7) Trichlorofluoromethane	1.892	101	116417	26.633	ug/l	100
8) Diethyl Ether	2.136	74	45280	27.831	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	49884	20.011	ug/l	95
10) Methyl Iodide	2.453	142	61791	24.040	ug/l	94
11) Tert butyl alcohol	3.032	59	57167	93.726	ug/l #	95
12) 1,1-Dichloroethene	2.325	96	49008	20.791	ug/l	84
13) Acrolein	2.245	56	81172	119.838	ug/l	100
14) Allyl chloride	2.666	41	77322	16.212	ug/l	97
15) Acrylonitrile	3.075	53	148455	95.145	ug/l	99
16) Acetone	2.404	43	131680	79.441	ug/l	92
17) Carbon Disulfide	2.514	76	109527	18.798	ug/l	99
18) Methyl Acetate	2.709	43	110269	17.540	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	163273	17.694	ug/l	100
20) Methylene Chloride	2.794	84	55857	18.599	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	51745	19.758	ug/l	94
22) Diisopropyl ether	3.757	45	166369	17.529	ug/l	96
23) Vinyl Acetate	3.721	43	592124	88.025	ug/l	98
24) 1,1-Dichloroethane	3.611	63	95814	18.272	ug/l	98
25) 2-Butanone	4.574	43	195010	84.035	ug/l	97
26) 2,2-Dichloropropane	4.477	77	63697	15.620	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	59220	19.774	ug/l	93
28) Bromochloromethane	4.897	49	48478	17.734	ug/l	93
29) Tetrahydrofuran	5.019	42	121628	82.526	ug/l	93
30) Chloroform	5.093	83	96523	17.477	ug/l	96
31) Cyclohexane	5.464	56	80860	18.893	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	77824	16.621	ug/l	100
36) 1,1-Dichloropropene	5.696	75	70044	18.592	ug/l	98
37) Ethyl Acetate	4.721	43	76777	17.492	ug/l	98
38) Carbon Tetrachloride	5.678	117	64803	17.695	ug/l	99
39) Methylcyclohexane	7.379	83	85893	21.169	ug/l	93
40) Benzene	6.037	78	207702	19.605	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42287	17.474	ug/l	94
42) 1,2-Dichloroethane	6.086	62	79810	16.722	ug/l	98
43) Isopropyl Acetate	6.342	43	118120	17.584	ug/l	98
44) Trichloroethene	7.129	130	55973	21.142	ug/l	93
45) 1,2-Dichloropropane	7.434	63	56331	20.000	ug/l	99
46) Dibromomethane	7.580	93	39480	19.676	ug/l	94
47) Bromodichloromethane	7.818	83	70582	18.323	ug/l	98
48) Methyl methacrylate	7.696	41	60585	17.579	ug/l	94
49) 1,4-Dioxane	7.732	88	29337	508.425	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	406698	95.886	ug/l	100
52) Toluene	8.720	92	129904	19.584	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	68762	17.330	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	80873	19.007	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	54803	20.014	ug/l	93
56) Ethyl methacrylate	9.116	69	81471	19.696	ug/l	95
57) 1,3-Dichloropropane	9.305	76	94348	19.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	226207	99.217	ug/l	98
59) 2-Hexanone	9.433	43	299131	94.863	ug/l	97
60) Dibromochloromethane	9.519	129	51126	19.129	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56779	19.887	ug/l	100
64) Tetrachloroethene	9.275	164	48009	22.457	ug/l	96
65) Chlorobenzene	10.079	112	142364	19.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	48338	19.673	ug/l	97
67) Ethyl Benzene	10.195	91	253484	19.935	ug/l	99
68) m/p-Xylenes	10.299	106	198114	41.295	ug/l	97
69) o-Xylene	10.640	106	96513	20.390	ug/l	99
70) Styrene	10.653	104	160123	20.303	ug/l	97
71) Bromoform	10.799	173	34123	20.173	ug/l #	98
73) Isopropylbenzene	10.963	105	247644	20.288	ug/l	98
74) N-amyl acetate	10.842	43	100716	18.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86176	20.618	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	69121m	17.705	ug/l	
77) Bromobenzene	11.195	156	59226	20.709	ug/l	93
78) n-propylbenzene	11.305	91	287182	19.999	ug/l	99
79) 2-Chlorotoluene	11.366	91	170059	18.829	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	211339	20.333	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18969	17.007	ug/l	93
82) 4-Chlorotoluene	11.451	91	196619	18.684	ug/l	96
83) tert-Butylbenzene	11.713	119	199585	20.198	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	209301	20.188	ug/l	97
85) sec-Butylbenzene	11.890	105	255931	20.801	ug/l	100
86) p-Isopropyltoluene	12.006	119	210563	20.341	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	109431	20.065	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	113613	20.337	ug/l	98
89) n-Butylbenzene	12.329	91	185362	20.065	ug/l	98
90) Hexachloroethane	12.536	117	29781	18.341	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	109506	20.458	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15959	17.311	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	65104	21.456	ug/l	98
94) Hexachlorobutadiene	13.725	225	25977	21.656	ug/l	97
95) Naphthalene	13.774	128	225400	21.536	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	65145	21.410	ug/l	97

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

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