

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028625.D
 Acq On : 11 May 2022 17:00
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: May 12 05:39:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 05:37:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/13/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	306018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	487447	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	455054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	234718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68249	20.211	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	40.420%#		
35) Dibromofluoromethane	5.391	113	60224	19.637	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	39.280%#		
50) Toluene-d8	8.653	98	225156	19.776	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	11.079	95	80155	19.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	38.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35351	16.282	ug/l	99
3) Chloromethane	1.288	50	29977	15.588	ug/l	100
4) Vinyl Chloride	1.374	62	39388	16.868	ug/l	100
5) Bromomethane	1.605	94	31911	18.295	ug/l	97
6) Chloroethane	1.685	64	30596	15.682	ug/l	94
7) Trichlorofluoromethane	1.886	101	82596	18.340	ug/l	95
8) Diethyl Ether	2.136	74	33264	19.390	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	47208	18.847	ug/l	99
10) Methyl Iodide	2.453	142	49308	18.452	ug/l	99
11) Tert butyl alcohol	2.959	59	68512	93.236	ug/l	99
12) 1,1-Dichloroethene	2.319	96	38729	18.090	ug/l	98
13) Acrolein	2.233	56	57353	99.926	ug/l	99
14) Allyl chloride	2.666	41	56862	18.546	ug/l	98
15) Acrylonitrile	3.062	53	148036	102.273	ug/l	99
16) Acetone	2.380	43	122509	97.915	ug/l	98
17) Carbon Disulfide	2.514	76	46037	13.000	ug/l	100
18) Methyl Acetate	2.703	43	65927	19.500	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	168112	20.086	ug/l	99
20) Methylene Chloride	2.794	84	50084	18.225	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	41948	17.645	ug/l	95
22) Diisopropyl ether	3.763	45	148562	20.266	ug/l	97
23) Vinyl Acetate	3.721	43	605512	100.663	ug/l	99
24) 1,1-Dichloroethane	3.611	63	88546	19.843	ug/l	99
25) 2-Butanone	4.556	43	198788	100.654	ug/l	97
26) 2,2-Dichloropropane	4.477	77	67465	19.470	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	60308	19.358	ug/l	98
28) Bromochloromethane	4.903	49	42445	20.886	ug/l	96
29) Tetrahydrofuran	5.007	42	121651	97.968	ug/l	99
30) Chloroform	5.092	83	105134	20.270	ug/l	95
31) Cyclohexane	5.470	56	53461	18.140	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	85296	19.531	ug/l	99
36) 1,1-Dichloropropene	5.696	75	61643	18.379	ug/l	99
37) Ethyl Acetate	4.714	43	71349	19.042	ug/l	99
38) Carbon Tetrachloride	5.684	117	71283	18.651	ug/l	99
39) Methylcyclohexane	7.385	83	61678	17.122	ug/l	98
40) Benzene	6.043	78	196909	18.878	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39107	20.060	ug/l	99
42) 1,2-Dichloroethane	6.092	62	76354	19.968	ug/l	100
43) Isopropyl Acetate	6.342	43	114118	19.604	ug/l	99
44) Trichloroethene	7.129	130	57909	18.559	ug/l	93
45) 1,2-Dichloropropane	7.433	63	53202	19.776	ug/l	96
46) Dibromomethane	7.586	93	40046	19.403	ug/l	98
47) Bromodichloromethane	7.824	83	76941	19.926	ug/l	97
48) Methyl methacrylate	7.696	41	53851	19.579	ug/l	99
49) 1,4-Dioxane	7.665	88	32240	391.705	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	408820	103.742	ug/l	99
52) Toluene	8.720	92	137721	19.420	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	72046	19.354	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	81302	19.625	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	65415	20.399	ug/l	99
56) Ethyl methacrylate	9.116	69	88282	20.252	ug/l	98
57) 1,3-Dichloropropane	9.311	76	99971	20.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	240664	104.627	ug/l	100
59) 2-Hexanone	9.433	43	314428	102.792	ug/l	99
60) Dibromochloromethane	9.525	129	62332	19.772	ug/l	100
61) 1,2-Dibromoethane	9.610	107	63816	19.627	ug/l	98
64) Tetrachloroethene	9.275	164	57081	18.856	ug/l	99
65) Chlorobenzene	10.079	112	164126	19.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	61450	20.129	ug/l	99
67) Ethyl Benzene	10.195	91	273091	19.782	ug/l	99
68) m/p-Xylenes	10.305	106	217238	39.226	ug/l	97
69) o-Xylene	10.646	106	110134	19.869	ug/l	99
70) Styrene	10.659	104	182845	20.022	ug/l	99
71) Bromoform	10.799	173	45787	18.826	ug/l #	99
73) Isopropylbenzene	10.963	105	293326	20.638	ug/l	98
74) N-amyl acetate	10.848	43	98322	20.237	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	103954	20.495	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	89368m	17.972	ug/l	
77) Bromobenzene	11.201	156	74910	19.839	ug/l	98
78) n-propylbenzene	11.305	91	322362	20.634	ug/l	99
79) 2-Chlorotoluene	11.366	91	197827	19.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	242235	20.535	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22215	17.621	ug/l	90
82) 4-Chlorotoluene	11.457	91	227614	20.327	ug/l	99
83) tert-Butylbenzene	11.713	119	245953	20.570	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	245209	20.805	ug/l	99
85) sec-Butylbenzene	11.890	105	292802	20.762	ug/l	99
86) p-Isopropyltoluene	12.012	119	252524	20.789	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	143059	19.958	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	146022	19.938	ug/l	98
89) n-Butylbenzene	12.335	91	200074	20.240	ug/l	100
90) Hexachloroethane	12.542	117	38161	19.521	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147182	20.235	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20449	19.862	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	87759	20.320	ug/l	99
94) Hexachlorobutadiene	13.725	225	37467	20.029	ug/l	99
95) Naphthalene	13.780	128	305789	21.193	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	89142	20.328	ug/l	97

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

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