

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028634.D
 Acq On : 12 May 2022 12:55
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: May 12 14:15:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:13:24 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	206081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52168	19.131	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	38.260%#		
35) Dibromofluoromethane	5.391	113	41572	16.508	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	33.020%#		
50) Toluene-d8	8.653	98	156845	16.261	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	32.520%#		
62) 4-Bromofluorobenzene	11.079	95	55942	15.250	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	30.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56775	35.786	ug/l	99
3) Chloromethane	1.294	50	51435	29.860	ug/l	99
4) Vinyl Chloride	1.374	62	55573	25.068	ug/l	98
5) Bromomethane	1.605	94	47429	22.143	ug/l	98
6) Chloroethane	1.685	64	37341	19.148	ug/l	98
7) Trichlorofluoromethane	1.886	101	88761	19.210	ug/l	96
8) Diethyl Ether	2.136	74	32173	20.074	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	45724	25.151	ug/l	93
10) Methyl Iodide	2.453	142	53100	23.511	ug/l	92
11) Tert butyl alcohol	2.971	59	59508	103.689	ug/l	100
12) 1,1-Dichloroethene	2.319	96	42927	24.976	ug/l	96
13) Acrolein	2.239	56	45169	133.267	ug/l	97
14) Allyl chloride	2.666	41	68026	24.160	ug/l	90
15) Acrylonitrile	3.062	53	140521	123.018	ug/l	99
16) Acetone	2.380	43	122636	129.166	ug/l	93
17) Carbon Disulfide	2.514	76	107438	23.553	ug/l	98
18) Methyl Acetate	2.703	43	61668	24.483	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	152757	22.550	ug/l	100
20) Methylene Chloride	2.788	84	49634	23.558	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	47845	21.594	ug/l	98
22) Diisopropyl ether	3.763	45	150437	23.869	ug/l	88
23) Vinyl Acetate	3.721	43	659480	119.950	ug/l	96
24) 1,1-Dichloroethane	3.611	63	86258	23.064	ug/l	99
25) 2-Butanone	4.556	43	193897	117.676	ug/l	94
26) 2,2-Dichloropropane	4.483	77	66425	18.973	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	54741	20.865	ug/l	98
28) Bromochloromethane	4.904	49	36912	24.029	ug/l	88
29) Tetrahydrofuran	5.007	42	127602	118.587	ug/l	92
30) Chloroform	5.093	83	94330	21.581	ug/l	98
31) Cyclohexane	5.477	56	78682	22.942	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	80771	20.526	ug/l	99
36) 1,1-Dichloropropene	5.696	75	68214	20.176	ug/l	99
37) Ethyl Acetate	4.715	43	75483	21.820	ug/l	96
38) Carbon Tetrachloride	5.684	117	68692	18.357	ug/l	98
39) Methylcyclohexane	7.385	83	78845	18.743	ug/l	97
40) Benzene	6.044	78	199210	20.288	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38076	21.356	ug/l	93
42) 1,2-Dichloroethane	6.092	62	74531	20.437	ug/l	98
43) Isopropyl Acetate	6.342	43	114253	20.451	ug/l	95
44) Trichloroethene	7.129	130	52667	18.602	ug/l	94
45) 1,2-Dichloropropane	7.434	63	49690	20.549	ug/l	98
46) Dibromomethane	7.586	93	37190	19.751	ug/l	90
47) Bromodichloromethane	7.824	83	67950	18.854	ug/l	100
48) Methyl methacrylate	7.696	41	55503	21.409	ug/l	86
49) 1,4-Dioxane	7.671	88	27136	401.791	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	384908	107.052	ug/l	92
52) Toluene	8.720	92	129777	19.204	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	68740	18.053	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	76308	18.539	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	52591	19.135	ug/l	97
56) Ethyl methacrylate	9.116	69	79543	19.819	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	87581	19.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	196823	105.455	ug/l	100
59) 2-Hexanone	9.433	43	296191	106.135	ug/l	91
60) Dibromochloromethane	9.525	129	49545	16.824	ug/l	96
61) 1,2-Dibromoethane	9.610	107	54954	18.436	ug/l	99
64) Tetrachloroethene	9.275	164	48738	18.837	ug/l	95
65) Chlorobenzene	10.079	112	137651	19.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	48117	18.463	ug/l	99
67) Ethyl Benzene	10.195	91	246197	20.633	ug/l	99
68) m/p-Xylenes	10.305	106	193187	40.137	ug/l	99
69) o-Xylene	10.640	106	93470	19.529	ug/l	98
70) Styrene	10.659	104	155047	19.901	ug/l	98
71) Bromoform	10.799	173	33669	16.587	ug/l #	99
73) Isopropylbenzene	10.963	105	245312	21.801	ug/l	99
74) N-amyl acetate	10.848	43	95405	23.760	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	82960	22.624	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76034m	23.407	ug/l	
77) Bromobenzene	11.201	156	56629	19.585	ug/l	97
78) n-propylbenzene	11.305	91	281802	22.445	ug/l	99
79) 2-Chlorotoluene	11.366	91	171313	22.046	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	203831	21.448	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20180	18.623	ug/l #	80
82) 4-Chlorotoluene	11.457	91	195883	21.856	ug/l	100
83) tert-Butylbenzene	11.713	119	197565	20.536	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	206212	21.829	ug/l	98
85) sec-Butylbenzene	11.890	105	243006	20.870	ug/l	98
86) p-Isopropyltoluene	12.012	119	202353	20.225	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	109552	20.170	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	111789	19.643	ug/l	98
89) n-Butylbenzene	12.335	91	170254	20.459	ug/l	97
90) Hexachloroethane	12.542	117	31243	19.536	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	110046	20.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18173	22.343	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	62911	19.592	ug/l	98
94) Hexachlorobutadiene	13.725	225	23977	16.906	ug/l	96
95) Naphthalene	13.774	128	239626	22.195	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	63880	20.318	ug/l	95

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

