

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029070.D
 Acq On : 31 May 2022 12:31
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2022
 Supervised By : Mahesh Dadoda 06/01/2022

Quant Time: May 31 14:33:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 31 14:31:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	290101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	457977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	18704	4.840	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.680%#		
35) Dibromofluoromethane	5.391	113	16957	5.626	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.260%#		
50) Toluene-d8	8.653	98	60292	5.356	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.720%#		
62) 4-Bromofluorobenzene	11.085	95	21044	4.994	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12416	3.432	ug/l	98
3) Chloromethane	1.288	50	13572	3.925	ug/l	95
4) Vinyl Chloride	1.374	62	14584	3.901	ug/l	96
5) Bromomethane	1.599	94	9445	3.402	ug/l	99
6) Chloroethane	1.679	64	12278	4.656	ug/l	93
7) Trichlorofluoromethane	1.880	101	23428	3.962	ug/l	99
8) Diethyl Ether	2.136	74	8747	4.018	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	13417	4.241	ug/l	94
10) Methyl Iodide	2.453	142	10280	2.728	ug/l	99
11) Tert butyl alcohol	2.965	59	21466	23.939	ug/l	95
12) 1,1-Dichloroethene	2.319	96	12962	4.382	ug/l	82
13) Acrolein	2.233	56	9202	15.074	ug/l	95
14) Allyl chloride	2.666	41	19662	4.182	ug/l	98
15) Acrylonitrile	3.062	53	39368	21.003	ug/l	98
16) Acetone	2.380	43	32320	19.485	ug/l	97
17) Carbon Disulfide	2.508	76	35807	4.663	ug/l	100
18) Methyl Acetate	2.703	43	17180	4.134	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	45385	4.346	ug/l	96
20) Methylene Chloride	2.788	84	15327	4.349	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	14974	4.511	ug/l	91
22) Diisopropyl ether	3.764	45	39496	3.964	ug/l #	84
23) Vinyl Acetate	3.727	43	161216	18.869	ug/l	98
24) 1,1-Dichloroethane	3.611	63	24296	4.166	ug/l	99
25) 2-Butanone	4.562	43	50988	19.599	ug/l	98
26) 2,2-Dichloropropane	4.477	77	20234	4.408	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	17376	4.459	ug/l	98
28) Bromochloromethane	4.904	49	9505	3.836	ug/l	84
29) Tetrahydrofuran	5.013	42	33743	19.939	ug/l	97
30) Chloroform	5.099	83	27557	4.346	ug/l	97
31) Cyclohexane	5.471	56	21515	4.052	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	24579	4.424	ug/l	96
36) 1,1-Dichloropropene	5.696	75	19388	4.399	ug/l	98
37) Ethyl Acetate	4.727	43	19092	4.185	ug/l	99
38) Carbon Tetrachloride	5.684	117	22935	5.080	ug/l	92
39) Methylcyclohexane	7.385	83	23441	4.592	ug/l	96
40) Benzene	6.044	78	59193	4.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	10247	4.140	ug/l	96
42) 1,2-Dichloroethane	6.086	62	21121	4.540	ug/l	99
43) Isopropyl Acetate	6.348	43	29274	4.098	ug/l	99
44) Trichloroethene	7.129	130	19572	5.587	ug/l	99
45) 1,2-Dichloropropane	7.434	63	14175	4.469	ug/l	94
46) Dibromomethane	7.586	93	11169	4.694	ug/l	100
47) Bromodichloromethane	7.824	83	21701	4.883	ug/l	91
48) Methyl methacrylate	7.696	41	13914	4.030	ug/l	93
49) 1,4-Dioxane	7.665	88	8525	95.348	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	96996	20.598	ug/l	98
52) Toluene	8.720	92	38814	4.718	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	21094	4.692	ug/l	95
54) cis-1,3-Dichloropropene	8.373	75	22985	4.613	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	16386	4.864	ug/l	98
56) Ethyl methacrylate	9.122	69	20844	4.128	ug/l	94
57) 1,3-Dichloropropane	9.311	76	26281	4.648	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	52747	21.136	ug/l	93
59) 2-Hexanone	9.433	43	74119	20.299	ug/l	96
60) Dibromochloromethane	9.525	129	17840	5.320	ug/l	99
61) 1,2-Dibromoethane	9.610	107	17029	4.802	ug/l	99
64) Tetrachloroethene	9.275	164	15532	4.898	ug/l	96
65) Chlorobenzene	10.079	112	43612	4.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	16310	5.116	ug/l	98
67) Ethyl Benzene	10.195	91	72473	4.591	ug/l	97
68) m/p-Xylenes	10.305	106	57721	9.347	ug/l	99
69) o-Xylene	10.646	106	28301	4.634	ug/l	99
70) Styrene	10.659	104	45640	4.615	ug/l	99
71) Bromoform	10.799	173	14201	5.954	ug/l #	99
73) Isopropylbenzene	10.964	105	72811	4.642	ug/l	99
74) N-amyl acetate	10.848	43	21375	3.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	25303	4.693	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	22619m	4.689	ug/l	
77) Bromobenzene	11.201	156	19003	5.055	ug/l	93
78) n-propylbenzene	11.305	91	78814	4.374	ug/l	98
79) 2-Chlorotoluene	11.366	91	50265	4.530	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	60491	4.623	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	6651	4.454	ug/l	86
82) 4-Chlorotoluene	11.457	91	56950	4.451	ug/l	95
83) tert-Butylbenzene	11.719	119	62835	4.915	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	60382	4.603	ug/l	98
85) sec-Butylbenzene	11.890	105	72184	4.609	ug/l	100
86) p-Isopropyltoluene	12.012	119	62154	4.716	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	35543	4.836	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	37296	4.898	ug/l	97
89) n-Butylbenzene	12.335	91	47629	4.225	ug/l	97
90) Hexachloroethane	12.542	117	11772	5.431	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	35978	4.973	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5232	4.527	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	19323	4.593	ug/l	96
94) Hexachlorobutadiene	13.725	225	9646	5.577	ug/l	94
95) Naphthalene	13.780	128	63923	4.318	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	20755	4.894	ug/l	95

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

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