

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030931.D
 Acq On : 30 Aug 2022 11:03
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 30 12:05:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 12:03:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	202215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	344472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	62526	20.988	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.980%#		
35) Dibromofluoromethane	5.397	113	53682	22.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	44.040%#		
50) Toluene-d8	8.653	98	193786	21.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	11.085	95	72753	22.483	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	44.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	41747	18.484	ug/l	100
3) Chloromethane	1.294	50	41148	18.084	ug/l	98
4) Vinyl Chloride	1.374	62	51935	19.974	ug/l	99
5) Bromomethane	1.605	94	17625	15.121	ug/l	93
6) Chloroethane	1.685	64	30011	19.117	ug/l	94
7) Trichlorofluoromethane	1.886	101	78564	20.096	ug/l	98
8) Diethyl Ether	2.136	74	30838	20.271	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	48909	19.892	ug/l	96
10) Methyl Iodide	2.453	142	37954	19.886	ug/l	94
11) Tert butyl alcohol	2.983	59	69739	95.030	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	49943	21.025	ug/l	92
13) Acrolein	2.245	56	40995	128.638	ug/l	100
14) Allyl chloride	2.666	41	82627	18.959	ug/l	98
15) Acrylonitrile	3.075	53	156318	97.194	ug/l	98
16) Acetone	2.392	43	127663	92.005	ug/l	100
17) Carbon Disulfide	2.514	76	125597	20.029	ug/l	99
18) Methyl Acetate	2.709	43	78540	19.541	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	163561	20.279	ug/l	96
20) Methylene Chloride	2.794	84	56553	18.621	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	53103	20.167	ug/l	92
22) Diisopropyl ether	3.770	45	169152	20.185	ug/l	89
23) Vinyl Acetate	3.727	43	686877	100.795	ug/l	99
24) 1,1-Dichloroethane	3.617	63	100697	20.283	ug/l	98
25) 2-Butanone	4.568	43	213684	94.181	ug/l	99
26) 2,2-Dichloropropane	4.477	77	70754	20.974	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	60303	20.148	ug/l	94
28) Bromochloromethane	4.910	49	32240	19.550	ug/l	94
29) Tetrahydrofuran	5.019	42	142335	97.721	ug/l	98
30) Chloroform	5.105	83	101643	20.160	ug/l	97
31) Cyclohexane	5.477	56	85619	19.858	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	85336	20.022	ug/l	98
36) 1,1-Dichloropropene	5.696	75	74239	20.131	ug/l	98
37) Ethyl Acetate	4.721	43	82088	20.184	ug/l	99
38) Carbon Tetrachloride	5.684	117	73582	20.298	ug/l	96
39) Methylcyclohexane	7.385	83	92486	21.481	ug/l	98
40) Benzene	6.044	78	219305	20.688	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	46288	20.418	ug/l	98
42) 1,2-Dichloroethane	6.092	62	74879	20.257	ug/l	99
43) Isopropyl Acetate	6.348	43	126549	20.364	ug/l	99
44) Trichloroethene	7.135	130	61955	20.959	ug/l	89
45) 1,2-Dichloropropane	7.434	63	57746	19.827	ug/l	97
46) Dibromomethane	7.586	93	39797	20.165	ug/l	99
47) Bromodichloromethane	7.830	83	75753	20.377	ug/l	98
48) Methyl methacrylate	7.696	41	61382	19.619	ug/l	95
49) 1,4-Dioxane	7.677	88	32194	394.009	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	419952	101.152	ug/l	96
52) Toluene	8.720	92	140816	21.794	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	81173	21.648	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	87527	20.898	ug/l	92
55) 1,1,2-Trichloroethane	9.159	97	57982	21.211	ug/l	97
56) Ethyl methacrylate	9.122	69	88033	21.138	ug/l	94
57) 1,3-Dichloropropane	9.311	76	94592	19.894	ug/l	99
59) 2-Hexanone	9.433	43	321989	99.423	ug/l	99
60) Dibromochloromethane	9.525	129	58464	20.854	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62619	21.132	ug/l	95
64) Tetrachloroethene	9.275	164	58995	21.374	ug/l	98
65) Chlorobenzene	10.079	112	147327	20.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52415	21.036	ug/l	98
67) Ethyl Benzene	10.195	91	267142	21.472	ug/l	97
68) m/p-Xylenes	10.305	106	204033	42.976	ug/l	96
69) o-Xylene	10.646	106	101439	21.726	ug/l	96
70) Styrene	10.659	104	166169	21.562	ug/l	99
71) Bromoform	10.805	173	41188	21.155	ug/l #	98
73) Isopropylbenzene	10.963	105	262517	20.803	ug/l	99
74) N-amyl acetate	10.848	43	103110	20.186	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	84214	18.920	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	86179m	20.714	ug/l	
77) Bromobenzene	11.201	156	61832	20.230	ug/l	97
78) n-propylbenzene	11.305	91	309166	21.105	ug/l	99
79) 2-Chlorotoluene	11.366	91	182625	19.980	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	222165	20.562	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25835	20.344	ug/l	96
82) 4-Chlorotoluene	11.457	91	209298	20.253	ug/l	100
83) tert-Butylbenzene	11.719	119	212432	20.461	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	228660	20.880	ug/l	96
85) sec-Butylbenzene	11.896	105	282044	20.586	ug/l	99
86) p-Isopropyltoluene	12.012	119	239193	21.266	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	119494	19.878	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	123583	19.863	ug/l	99
89) n-Butylbenzene	12.335	91	221264	21.686	ug/l	98
90) Hexachloroethane	12.542	117	40858	20.287	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	124184	20.462	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22310	19.490	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	79038	20.720	ug/l	99
94) Hexachlorobutadiene	13.725	225	32456	20.713	ug/l	100
95) Naphthalene	13.780	128	294769	21.530	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83031	21.880	ug/l	98

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

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