

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031885.D
 Acq On : 05 Oct 2022 10:57
 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 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 05 11:47:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 05 11:38:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	117625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	36221	17.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	34.380%#		
35) Dibromofluoromethane	5.385	113	36369	18.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.740%#		
50) Toluene-d8	8.647	98	131809	18.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.220%#		
62) 4-Bromofluorobenzene	11.079	95	47493	18.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28611	18.815	ug/l	95
3) Chloromethane	1.288	50	25154	15.780	ug/l	99
4) Vinyl Chloride	1.374	62	32146	15.831	ug/l	100
5) Bromomethane	1.611	94	28430	17.878	ug/l	96
6) Chloroethane	1.685	64	24578	12.092	ug/l	98
7) Trichlorofluoromethane	1.886	101	64578	15.584	ug/l	99
8) Diethyl Ether	2.130	74	21649	16.034	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.331	101	31230	17.446	ug/l #	83
10) Methyl Iodide	2.453	142	30298	18.030	ug/l	98
11) Tert butyl alcohol	2.983	59	25333m	86.347	ug/l	
12) 1,1-Dichloroethene	2.319	96	29440	17.910	ug/l #	77
13) Acrolein	2.233	56	14498	83.467	ug/l	100
14) Allyl chloride	2.666	41	31801	15.156	ug/l #	92
15) Acrylonitrile	3.068	53	66608	86.915	ug/l	98
16) Acetone	2.386	43	52285	86.782	ug/l	92
17) Carbon Disulfide	2.508	76	57657	12.718	ug/l	100
18) Methyl Acetate	2.709	43	34911	17.710	ug/l #	84
19) Methyl tert-butyl Ether	3.111	73	92557	17.296	ug/l	96
20) Methylene Chloride	2.788	84	32048	17.384	ug/l #	80
21) trans-1,2-Dichloroethene	3.093	96	33325	17.293	ug/l #	83
22) Diisopropyl ether	3.757	45	73995	16.632	ug/l #	82
23) Vinyl Acetate	3.721	43	279118	83.869	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	49596	16.587	ug/l	93
25) 2-Butanone	4.562	43	83666	86.525	ug/l #	82
26) 2,2-Dichloropropane	4.477	77	37787	14.803	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	38902	17.362	ug/l	78
28) Bromochloromethane	4.897	49	19332	15.998	ug/l #	42
29) Tetrahydrofuran	5.013	42	52705	88.277	ug/l #	75
30) Chloroform	5.092	83	60011	16.777	ug/l	99
31) Cyclohexane	5.470	56	41542	16.552	ug/l #	76
32) 1,1,1-Trichloroethane	5.385	97	54796	16.143	ug/l	93
36) 1,1-Dichloropropene	5.690	75	41819	17.038	ug/l	91
37) Ethyl Acetate	4.714	43	32048	17.249	ug/l #	89
38) Carbon Tetrachloride	5.678	117	49451	16.229	ug/l	98
39) Methylcyclohexane	7.385	83	53248	17.684	ug/l #	85
40) Benzene	6.037	78	127658	18.004	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17424	17.258	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	42957	17.293	ug/l	93
43) Isopropyl Acetate	6.342	43	51405	17.112	ug/l #	90
44) Trichloroethene	7.129	130	42514	18.559	ug/l	83
45) 1,2-Dichloropropane	7.433	63	28562	17.194	ug/l	94
46) Dibromomethane	7.580	93	25087	18.119	ug/l #	81
47) Bromodichloromethane	7.824	83	42713	15.414	ug/l #	99
48) Methyl methacrylate	7.696	41	24260	18.047	ug/l #	83
49) 1,4-Dioxane	7.690	88	16978	389.663	ug/l #	81
51) 4-Methyl-2-Pentanone	8.574	43	174832	92.715	ug/l	89
52) Toluene	8.720	92	89149	17.934	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	39316	14.879	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	45599	15.748	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	37718	19.037	ug/l	93
56) Ethyl methacrylate	9.116	69	44014	19.212	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	56349	18.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	109700	92.924	ug/l #	81
59) 2-Hexanone	9.433	43	126651	92.387	ug/l	85
60) Dibromochloromethane	9.525	129	38284	15.916	ug/l	99
61) 1,2-Dibromoethane	9.610	107	40819	18.553	ug/l	100
64) Tetrachloroethene	9.275	164	44387	19.040	ug/l	97
65) Chlorobenzene	10.079	112	104231	18.434	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	37687	17.317	ug/l	99
67) Ethyl Benzene	10.195	91	170665	18.337	ug/l	93
68) m/p-Xylenes	10.305	106	141441	36.810	ug/l	93
69) o-Xylene	10.640	106	70062	18.926	ug/l	90
70) Styrene	10.659	104	111788	18.579	ug/l	95
71) Bromoform	10.799	173	27098	14.806	ug/l #	99
73) Isopropylbenzene	10.963	105	181867	18.346	ug/l	98
74) N-amyl acetate	10.847	43	41604	17.919	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	49821	17.656	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	43295m	16.955	ug/l	
77) Bromobenzene	11.201	156	49908	19.088	ug/l	80
78) n-propylbenzene	11.305	91	196210	18.108	ug/l	93
79) 2-Chlorotoluene	11.366	91	118197	18.054	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	153763	18.575	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	10130	13.619	ug/l	92
82) 4-Chlorotoluene	11.457	91	134965	17.860	ug/l	92
83) tert-Butylbenzene	11.713	119	154932	18.517	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	152154	18.468	ug/l	95
85) sec-Butylbenzene	11.890	105	186416	18.507	ug/l	96
86) p-Isopropyltoluene	12.012	119	167333	19.036	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	93621	18.977	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	95541	18.542	ug/l	97
89) n-Butylbenzene	12.335	91	122915	17.703	ug/l	97
90) Hexachloroethane	12.536	117	21328	13.450	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	93079	18.839	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9808	16.529	ug/l	63
93) 1,2,4-Trichlorobenzene	13.591	180	59010	19.514	ug/l	98
94) Hexachlorobutadiene	13.725	225	23790	19.119	ug/l	98
95) Naphthalene	13.774	128	191687	20.350	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	60295	20.562	ug/l	97

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

