

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031644.D
 Acq On : 26 Sep 2022 11:38
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 26 12:11:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 26 12:07:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	54648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	83435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	23635	19.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.660%#		
35) Dibromofluoromethane	5.385	113	19798	20.045	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.100%#		
50) Toluene-d8	8.647	98	72709	21.873	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	43.740%#		
62) 4-Bromofluorobenzene	11.079	95	27483	24.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	48.820%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15434	19.643	ug/l	98
3) Chloromethane	1.288	50	14593	14.000	ug/l	98
4) Vinyl Chloride	1.374	62	19767	16.631	ug/l	99
5) Bromomethane	1.611	94	20502	12.114	ug/l	99
6) Chloroethane	1.685	64	23714	18.489	ug/l	98
7) Trichlorofluoromethane	1.886	101	53315	19.775	ug/l	99
8) Diethyl Ether	2.130	74	16512	17.783	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	15731	17.878	ug/l	93
10) Methyl Iodide	2.453	142	15130	17.772	ug/l	98
11) Tert butyl alcohol	3.001	59	19018m	69.780	ug/l	
12) 1,1-Dichloroethene	2.319	96	13449	15.811	ug/l	90
13) Acrolein	2.239	56	8775	70.697	ug/l	96
14) Allyl chloride	2.666	41	19772	14.254	ug/l	91
15) Acrylonitrile	3.069	53	41260	78.232	ug/l	100
16) Acetone	2.398	43	34009	71.065	ug/l	96
17) Carbon Disulfide	2.508	76	27385	11.949	ug/l	97
18) Methyl Acetate	2.709	43	21341	14.250	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	52486	17.061	ug/l	98
20) Methylene Chloride	2.788	84	17159	15.709	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	15933	16.587	ug/l	92
22) Diisopropyl ether	3.757	45	49958	16.631	ug/l #	79
23) Vinyl Acetate	3.721	43	203779	79.325	ug/l	96
24) 1,1-Dichloroethane	3.611	63	28284	16.662	ug/l	98
25) 2-Butanone	4.568	43	56091	72.493	ug/l	92
26) 2,2-Dichloropropane	4.477	77	22370	14.918	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	20143	17.399	ug/l	88
28) Bromochloromethane	4.897	49	13145	19.384	ug/l	83
29) Tetrahydrofuran	5.013	42	35691	70.732	ug/l	88
30) Chloroform	5.093	83	34398	18.476	ug/l	97
31) Cyclohexane	5.477	56	22501	15.137	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	29392	17.381	ug/l	100
36) 1,1-Dichloropropene	5.696	75	22323	16.832	ug/l	96
37) Ethyl Acetate	4.721	43	22993	14.533	ug/l	98
38) Carbon Tetrachloride	5.678	117	25896	17.616	ug/l	97
39) Methylcyclohexane	7.385	83	26037	15.956	ug/l	92
40) Benzene	6.044	78	68439	17.298	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	12377	15.712	ug/l	95
42) 1,2-Dichloroethane	6.086	62	27381	18.775	ug/l	99
43) Isopropyl Acetate	6.342	43	36918	15.182	ug/l	97
44) Trichloroethene	7.129	130	19404	17.297	ug/l	86
45) 1,2-Dichloropropane	7.434	63	17335	17.430	ug/l	97
46) Dibromomethane	7.580	93	13645	17.823	ug/l	91
47) Bromodichloromethane	7.824	83	24842	17.259	ug/l	99
48) Methyl methacrylate	7.696	41	16668	15.003	ug/l	86
49) 1,4-Dioxane	7.702	88	8629	340.114	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	125042	79.946	ug/l	99
52) Toluene	8.720	92	47695	18.483	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	24120	16.193	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	26309	16.150	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	19687	18.516	ug/l	95
56) Ethyl methacrylate	9.116	69	26048	17.225	ug/l	93
57) 1,3-Dichloropropane	9.311	76	31721	18.180	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	64107	109.650	ug/l	94
59) 2-Hexanone	9.433	43	94449	80.406	ug/l	98
60) Dibromochloromethane	9.519	129	20472	18.131	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21096	18.417	ug/l	99
64) Tetrachloroethene	9.275	164	19799	17.111	ug/l	96
65) Chlorobenzene	10.079	112	55603	18.717	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	20140	18.790	ug/l	99
67) Ethyl Benzene	10.195	91	94894	18.092	ug/l	99
68) m/p-Xylenes	10.299	106	79036	37.496	ug/l	97
69) o-Xylene	10.640	106	38075	18.925	ug/l	96
70) Styrene	10.653	104	63923	19.297	ug/l	98
71) Bromoform	10.799	173	14320	16.698	ug/l #	98
73) Isopropylbenzene	10.963	105	101569	17.116	ug/l	99
74) N-amyl acetate	10.842	43	35990	14.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	32102	16.046	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	25250m	14.236	ug/l	
77) Bromobenzene	11.201	156	24459	16.723	ug/l	94
78) n-propylbenzene	11.305	91	117680	17.237	ug/l	99
79) 2-Chlorotoluene	11.366	91	69726	17.158	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	90550	17.980	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7156	12.991	ug/l #	84
82) 4-Chlorotoluene	11.457	91	84272	17.671	ug/l	99
83) tert-Butylbenzene	11.713	119	86408	17.702	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	90493	18.245	ug/l	100
85) sec-Butylbenzene	11.890	105	110262	17.850	ug/l	100
86) p-Isopropyltoluene	12.012	119	96723	18.543	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50090	17.868	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	53453	18.281	ug/l	98
89) n-Butylbenzene	12.335	91	80701	18.162	ug/l	98
90) Hexachloroethane	12.542	117	14599	16.288	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	52282	18.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6618	16.230	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	28345	18.222	ug/l	99
94) Hexachlorobutadiene	13.725	225	11147	17.941	ug/l	97
95) Naphthalene	13.774	128	100676	17.672	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28677	17.887	ug/l	97

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

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