

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031722\
 Data File : VX027484.D
 Acq On : 17 Mar 2022 12:59
 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 : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 14:56:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 14:46:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	347361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	572703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	539721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	239719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84446	20.847	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	41.700%#		
35) Dibromofluoromethane	5.391	113	70455	19.065	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	38.140%#		
50) Toluene-d8	8.653	98	284306	20.379	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	40.760%#		
62) 4-Bromofluorobenzene	11.085	95	92863	17.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	34.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68900	19.350	ug/l	100
3) Chloromethane	1.294	50	59387	15.861	ug/l	99
4) Vinyl Chloride	1.374	62	69263	17.999	ug/l	97
5) Bromomethane	1.599	94	48421	28.666	ug/l	98
6) Chloroethane	1.685	64	43691	18.169	ug/l	98
7) Trichlorofluoromethane	1.886	101	113370	21.156	ug/l	98
8) Diethyl Ether	2.136	74	42292	20.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	66376	18.946	ug/l	95
10) Methyl Iodide	2.453	142	82747	16.733	ug/l	94
11) Tert butyl alcohol	2.965	59	82028	103.295	ug/l	98
12) 1,1-Dichloroethene	2.319	96	63262	18.783	ug/l	98
13) Acrolein	2.239	56	60346	108.411	ug/l	98
14) Allyl chloride	2.666	41	97000	18.361	ug/l	92
15) Acrylonitrile	3.068	53	185670	88.842	ug/l	98
16) Acetone	2.380	43	171141	96.183	ug/l	93
17) Carbon Disulfide	2.508	76	154536	16.888	ug/l	99
18) Methyl Acetate	2.709	43	81472	18.296	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	214216	19.196	ug/l	99
20) Methylene Chloride	2.788	84	69495	17.561	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	66441	17.748	ug/l	98
22) Diisopropyl ether	3.763	45	195075	18.471	ug/l #	85
23) Vinyl Acetate	3.727	43	862271	97.594	ug/l	96
24) 1,1-Dichloroethane	3.611	63	117607	18.339	ug/l	99
25) 2-Butanone	4.562	43	263972	94.605	ug/l	96
26) 2,2-Dichloropropane	4.477	77	95241	20.714	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	79038	18.197	ug/l	98
28) Bromochloromethane	4.904	49	49115	18.407	ug/l	94
29) Tetrahydrofuran	5.013	42	169351	91.728	ug/l	93
30) Chloroform	5.099	83	129857	19.185	ug/l	99
31) Cyclohexane	5.470	56	103221	18.217	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	117222	20.263	ug/l	99
36) 1,1-Dichloropropene	5.696	75	92351	18.000	ug/l	98
37) Ethyl Acetate	4.721	43	99514	18.400	ug/l	98
38) Carbon Tetrachloride	5.684	117	107122	20.191	ug/l	97
39) Methylcyclohexane	7.385	83	122638	18.929	ug/l	97
40) Benzene	6.044	78	287531	18.400	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	53854	18.469	ug/l	94
42) 1,2-Dichloroethane	6.092	62	102024	19.986	ug/l	99
43) Isopropyl Acetate	6.342	43	154606	18.963	ug/l	97
44) Trichloroethene	7.129	130	86784	20.220	ug/l	98
45) 1,2-Dichloropropane	7.434	63	72832	18.600	ug/l	98
46) Dibromomethane	7.586	93	53931	19.359	ug/l	97
47) Bromodichloromethane	7.824	83	100852	19.603	ug/l	99
48) Methyl methacrylate	7.696	41	77956	19.228	ug/l	92
49) 1,4-Dioxane	7.665	88	42216	397.644	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	509491	93.342	ug/l	97
52) Toluene	8.720	92	195675	19.642	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	103910	19.685	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	116324	19.632	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	80964	19.474	ug/l	99
56) Ethyl methacrylate	9.116	69	117251	19.120	ug/l	96
57) 1,3-Dichloropropane	9.311	76	128374	19.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	304997	98.507	ug/l	96
59) 2-Hexanone	9.433	43	394602	93.589	ug/l	96
60) Dibromochloromethane	9.525	129	84506	19.916	ug/l	97
61) 1,2-Dibromoethane	9.610	107	85732	19.968	ug/l	97
64) Tetrachloroethene	9.275	164	84700	22.394	ug/l	98
65) Chlorobenzene	10.079	112	214527	18.893	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	78611	19.801	ug/l	99
67) Ethyl Benzene	10.195	91	368327	18.809	ug/l	97
68) m/p-Xylenes	10.305	106	290433	37.812	ug/l	100
69) o-Xylene	10.646	106	131971	17.403	ug/l	100
70) Styrene	10.659	104	215747	17.140	ug/l	99
71) Bromoform	10.805	173	58071	17.911	ug/l #	100
73) Isopropylbenzene	10.963	105	346248	19.749	ug/l	99
74) N-amyl acetate	10.848	43	121717	18.995	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	109377	18.155	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	100448m	19.098	ug/l	
77) Bromobenzene	11.201	156	85752	19.383	ug/l	95
78) n-propylbenzene	11.305	91	381207	19.330	ug/l	99
79) 2-Chlorotoluene	11.366	91	231830	18.809	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	294410	19.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29733	18.283	ug/l #	84
82) 4-Chlorotoluene	11.457	91	268301	19.243	ug/l	99
83) tert-Butylbenzene	11.719	119	288679	19.214	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	294794	19.775	ug/l	98
85) sec-Butylbenzene	11.890	105	350515	19.343	ug/l	100
86) p-Isopropyltoluene	12.012	119	296920	19.354	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	156058	18.776	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	158307	18.812	ug/l	98
89) n-Butylbenzene	12.335	91	242372	18.861	ug/l	97
90) Hexachloroethane	12.542	117	45192	18.899	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	154790	18.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25403	20.125	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	96521	17.943	ug/l	99
94) Hexachlorobutadiene	13.725	225	41952	17.786	ug/l	97
95) Naphthalene	13.780	128	334800	18.539	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	98526	18.328	ug/l	95

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

