

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032401.D
 Acq On : 26 Oct 2022 13:49
 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 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 07:01:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:59:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	121378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33644	19.949	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.900%#		
35) Dibromofluoromethane	5.385	113	27084	20.038	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.080%#		
50) Toluene-d8	8.653	98	93747	19.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.900%#		
62) 4-Bromofluorobenzene	11.079	95	35898	19.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	30757	21.971	ug/l	94
3) Chloromethane	1.295	50	26416	22.313	ug/l	99
4) Vinyl Chloride	1.374	62	28500	21.873	ug/l	98
5) Bromomethane	1.605	94	20675	19.856	ug/l	100
6) Chloroethane	1.685	64	17811	20.376	ug/l	96
7) Trichlorofluoromethane	1.886	101	51341	20.796	ug/l	99
8) Diethyl Ether	2.130	74	16266	20.331	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	26063	20.002	ug/l	99
10) Methyl Iodide	2.453	142	27317	20.169	ug/l	100
11) Tert butyl alcohol	2.959	59	23845	97.142	ug/l	100
12) 1,1-Dichloroethene	2.319	96	25223	20.721	ug/l	95
13) Acrolein	2.233	56	24411	99.615	ug/l	99
14) Allyl chloride	2.666	41	39310	20.259	ug/l	100
15) Acrylonitrile	3.063	53	66608	99.983	ug/l	99
16) Acetone	2.380	43	58944	96.161	ug/l	99
17) Carbon Disulfide	2.514	76	59820	20.632	ug/l	100
18) Methyl Acetate	2.703	43	41115	20.627	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	84729	19.804	ug/l	98
20) Methylene Chloride	2.788	84	27924	19.869	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	26369	19.901	ug/l	96
22) Diisopropyl ether	3.758	45	83266	19.839	ug/l #	86
23) Vinyl Acetate	3.721	43	338698	99.884	ug/l	100
24) 1,1-Dichloroethane	3.611	63	48462	20.074	ug/l	99
25) 2-Butanone	4.556	43	91418	96.263	ug/l	98
26) 2,2-Dichloropropane	4.477	77	38331	19.974	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	30995	20.238	ug/l	100
28) Bromochloromethane	4.904	49	16952	19.714	ug/l	100
29) Tetrahydrofuran	5.007	42	58424	96.471	ug/l	99
30) Chloroform	5.099	83	52724	19.903	ug/l	98
31) Cyclohexane	5.471	56	42545	20.806	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	47580	20.016	ug/l	99
36) 1,1-Dichloropropene	5.696	75	37954	20.164	ug/l	99
37) Ethyl Acetate	4.715	43	36444	18.601	ug/l	99
38) Carbon Tetrachloride	5.678	117	41763	20.005	ug/l	99
39) Methylcyclohexane	7.385	83	46121	20.710	ug/l	100
40) Benzene	6.038	78	107648	20.210	ug/l	99

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41) Methacrylonitrile	4.916	41	20291	20.330	ug/l	98
42) 1,2-Dichloroethane	6.092	62	44329	20.360	ug/l	99
43) Isopropyl Acetate	6.342	43	60197	20.011	ug/l	100
44) Trichloroethene	7.129	130	29943	19.970	ug/l	99
45) 1,2-Dichloropropane	7.434	63	27907	20.410	ug/l	97
46) Dibromomethane	7.586	93	21466	20.471	ug/l	97
47) Bromodichloromethane	7.824	83	39921	20.087	ug/l	99
48) Methyl methacrylate	7.696	41	30655	19.731	ug/l	99
49) 1,4-Dioxane	7.665	88	11505	388.575	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	191217	100.917	ug/l	100
52) Toluene	8.720	92	70126	20.180	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	39617	19.538	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	43247	19.940	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	29002	19.817	ug/l	98
56) Ethyl methacrylate	9.116	69	41867	19.879	ug/l	98
57) 1,3-Dichloropropane	9.311	76	47141	19.946	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	105988	104.514	ug/l	98
59) 2-Hexanone	9.433	43	141427	100.591	ug/l	99
60) Dibromochloromethane	9.519	129	30309	18.961	ug/l	97
61) 1,2-Dibromoethane	9.610	107	31287	20.176	ug/l	98
64) Tetrachloroethene	9.275	164	25064	20.090	ug/l	94
65) Chlorobenzene	10.080	112	76361	20.000	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	27943	19.445	ug/l	99
67) Ethyl Benzene	10.195	91	137306	20.110	ug/l	99
68) m/p-Xylenes	10.305	106	106068	40.007	ug/l	100
69) o-Xylene	10.640	106	51182	19.855	ug/l	97
70) Styrene	10.659	104	85306	19.913	ug/l	100
71) Bromoform	10.799	173	21409	18.843	ug/l #	100
73) Isopropylbenzene	10.964	105	137885	19.777	ug/l	100
74) N-amyl acetate	10.842	43	53061	20.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	44183	19.743	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	39373m	21.305	ug/l	
77) Bromobenzene	11.201	156	33093	19.361	ug/l	98
78) n-propylbenzene	11.305	91	159121	19.809	ug/l	99
79) 2-Chlorotoluene	11.366	91	93972	19.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	118778	19.934	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11510	18.711	ug/l	95
82) 4-Chlorotoluene	11.457	91	110094	19.558	ug/l	99
83) tert-Butylbenzene	11.713	119	117838	19.808	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	120749	20.375	ug/l	99
85) sec-Butylbenzene	11.890	105	145211	20.286	ug/l	99
86) p-Isopropyltoluene	12.012	119	122857	20.227	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	63217	19.607	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	64455	19.271	ug/l	99
89) n-Butylbenzene	12.335	91	104561	19.788	ug/l	99
90) Hexachloroethane	12.543	117	19480	19.635	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	63445	19.957	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9880	20.136	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	40531	19.553	ug/l	98
94) Hexachlorobutadiene	13.725	225	16499	19.058	ug/l	98
95) Naphthalene	13.780	128	137764	19.945	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	41110	19.510	ug/l	100

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

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