

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025795.D
 Acq On : 14 Dec 2021 23:10
 Operator : JC/MD
 Sample : VX1214WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:11:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	117484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	197896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85302	50.463	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.920%			
35) Dibromofluoromethane	5.391	113	71562	51.851	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.653	98	263050	52.311	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.620%			
62) 4-Bromofluorobenzene	11.085	95	96519	50.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.060%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	21324	20.295	ug/l	94
3) Chloromethane	1.294	50	23580	17.235	ug/l	94
4) Vinyl Chloride	1.374	62	24896	17.107	ug/l	99
5) Bromomethane	1.599	94	17890	17.216	ug/l	94
6) Chloroethane	1.685	64	16640	15.787	ug/l	97
7) Trichlorofluoromethane	1.886	101	39907	16.601	ug/l	96
8) Diethyl Ether	2.136	74	14780	15.587	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	21430	17.131	ug/l	99
10) Methyl Iodide	2.453	142	26674	16.736	ug/l	99
11) Tert butyl alcohol	2.965	59	25810	76.117	ug/l	97
12) 1,1-Dichloroethene	2.319	96	20830	16.748	ug/l	98
13) Acrolein	2.239	56	18531	79.953	ug/l	99
14) Allyl chloride	2.666	41	34054	15.002	ug/l	99
15) Acrylonitrile	3.068	53	63450	80.156	ug/l	100
16) Acetone	2.380	43	57373	62.740	ug/l	95
17) Carbon Disulfide	2.514	76	52847	14.834	ug/l	100
18) Methyl Acetate	2.709	43	41838	16.239	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	71870	16.360	ug/l	98
20) Methylene Chloride	2.794	84	25152	15.738	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	23688	17.066	ug/l	98
22) Diisopropyl ether	3.763	45	71598	16.261	ug/l	98
23) Vinyl Acetate	3.727	43	275032	80.719	ug/l	99
24) 1,1-Dichloroethane	3.617	63	41292	16.424	ug/l	97
25) 2-Butanone	4.562	43	91073	80.105	ug/l	100
26) 2,2-Dichloropropane	4.477	77	24446	12.820	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	26142	15.884	ug/l	98
28) Bromochloromethane	4.903	49	20753	18.318	ug/l	96
29) Tetrahydrofuran	5.013	42	58426	80.828	ug/l	98
30) Chloroform	5.099	83	44939	16.298	ug/l	97
31) Cyclohexane	5.477	56	36512	17.762	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	38379	15.993	ug/l	99
36) 1,1-Dichloropropene	5.696	75	32073	17.136	ug/l	99
37) Ethyl Acetate	4.721	43	33199	15.965	ug/l	98
38) Carbon Tetrachloride	5.684	117	34069	15.645	ug/l	96
39) Methylcyclohexane	7.379	83	37251	17.788	ug/l	99
40) Benzene	6.044	78	95433	17.093	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18836	16.368	ug/l	98
42) 1,2-Dichloroethane	6.092	62	35091	16.537	ug/l	100
43) Isopropyl Acetate	6.348	43	51789	15.459	ug/l	99
44) Trichloroethene	7.129	130	26730	17.197	ug/l	99
45) 1,2-Dichloropropane	7.434	63	23207	16.491	ug/l	92
46) Dibromomethane	7.586	93	18056	16.482	ug/l	99
47) Bromodichloromethane	7.824	83	33628	15.574	ug/l	93
48) Methyl methacrylate	7.696	41	26111	16.551	ug/l	97
49) 1,4-Dioxane	7.659	88	12434	361.015	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	178461	81.374	ug/l	99
52) Toluene	8.720	92	61498	17.287	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	28894	14.039	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34294	15.229	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	25494	16.711	ug/l	96
56) Ethyl methacrylate	9.116	69	35437	16.174	ug/l	99
57) 1,3-Dichloropropane	9.311	76	41858	16.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	84140	89.344	ug/l	99
59) 2-Hexanone	9.433	43	135736	81.687	ug/l	100
60) Dibromochloromethane	9.525	129	25662	14.821	ug/l	100
61) 1,2-Dibromoethane	9.610	107	26841	16.227	ug/l	98
64) Tetrachloroethene	9.275	164	27560	18.377	ug/l	94
65) Chlorobenzene	10.079	112	67602	17.249	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	24354	15.914	ug/l	99
67) Ethyl Benzene	10.195	91	116713	17.611	ug/l	98
68) m/p-Xylenes	10.305	106	93440	36.234	ug/l	99
69) o-Xylene	10.646	106	45442	17.912	ug/l	99
70) Styrene	10.659	104	72061	17.070	ug/l	99
71) Bromoform	10.799	173	17594	13.956	ug/l #	100
73) Isopropylbenzene	10.963	105	115845	17.745	ug/l	100
74) N-amyl acetate	10.848	43	42622	16.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38386	16.870	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	32317m	15.680	ug/l	
77) Bromobenzene	11.201	156	29386	17.548	ug/l	98
78) n-propylbenzene	11.305	91	132297	17.916	ug/l	100
79) 2-Chlorotoluene	11.366	91	81038	17.257	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	96285	17.783	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7204	10.837	ug/l #	80
82) 4-Chlorotoluene	11.457	91	91662	17.432	ug/l	100
83) tert-Butylbenzene	11.719	119	95718	18.035	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	97424	18.012	ug/l	100
85) sec-Butylbenzene	11.890	105	118805	18.624	ug/l	100
86) p-Isopropyltoluene	12.012	119	97939	18.281	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	54123	17.346	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	54073	16.974	ug/l	99
89) n-Butylbenzene	12.335	91	78482	17.562	ug/l	98
90) Hexachloroethane	12.542	117	13732	13.042	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	53996	18.122	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7439	14.549	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	27026	17.408	ug/l	95
94) Hexachlorobutadiene	13.725	225	11322	17.863	ug/l	96
95) Naphthalene	13.780	128	90033	16.357	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28286	17.955	ug/l	99

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

