

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026990.D
 Acq On : 12 Feb 2022 00:34
 Operator : JC/MD
 Sample : VX0211WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 12 04:40:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	87646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	144663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58834	55.920	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.840%			
35) Dibromofluoromethane	5.391	113	47202	54.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	8.653	98	177820	56.206	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.420%#			
62) 4-Bromofluorobenzene	11.079	95	64193	57.633	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	18931	19.864	ug/l	97
3) Chloromethane	1.294	50	18150	20.472	ug/l	98
4) Vinyl Chloride	1.380	62	18492	19.925	ug/l	98
5) Bromomethane	1.611	94	7985	20.276	ug/l	100
6) Chloroethane	1.691	64	11020	19.856	ug/l	99
7) Trichlorofluoromethane	1.892	101	27279	19.973	ug/l	95
8) Diethyl Ether	2.136	74	9717	19.206	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	17881	19.974	ug/l	98
10) Methyl Iodide	2.459	142	22491	19.551	ug/l	99
11) Tert butyl alcohol	2.977	59	19276	101.417	ug/l	96
12) 1,1-Dichloroethene	2.325	96	17218	19.195	ug/l	90
13) Acrolein	2.239	56	13973	79.552	ug/l	99
14) Allyl chloride	2.672	41	31091	19.568	ug/l	97
15) Acrylonitrile	3.068	53	58876	108.097	ug/l	99
16) Acetone	2.386	43	50403	109.076	ug/l	99
17) Carbon Disulfide	2.520	76	44795	17.641	ug/l	100
18) Methyl Acetate	2.709	43	26803	20.160	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	61452	19.355	ug/l	94
20) Methylene Chloride	2.794	84	20223	20.198	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	19005	20.135	ug/l	97
22) Diisopropyl ether	3.763	45	65592	20.505	ug/l	96
23) Vinyl Acetate	3.727	43	274473	102.054	ug/l	98
24) 1,1-Dichloroethane	3.617	63	34956	20.195	ug/l	99
25) 2-Butanone	4.562	43	80968	108.754	ug/l	99
26) 2,2-Dichloropropane	4.483	77	22347	19.108	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	21643	19.971	ug/l	95
28) Bromochloromethane	4.903	49	14125	19.686	ug/l	99
29) Tetrahydrofuran	5.013	42	53754	106.204	ug/l	98
30) Chloroform	5.105	83	36366	20.221	ug/l	98
31) Cyclohexane	5.483	56	32589	19.494	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	31090	19.608	ug/l	99
36) 1,1-Dichloropropene	5.702	75	26759	19.681	ug/l	98
37) Ethyl Acetate	4.721	43	30750	19.900	ug/l	99
38) Carbon Tetrachloride	5.678	117	27392	19.212	ug/l	97
39) Methylcyclohexane	7.385	83	32101	19.252	ug/l	96
40) Benzene	6.043	78	77523	19.563	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	17364	20.734	ug/l	96
42) 1,2-Dichloroethane	6.092	62	28934	20.721	ug/l	98
43) Isopropyl Acetate	6.348	43	47516	19.986	ug/l	99
44) Trichloroethene	7.129	130	22844	19.199	ug/l	95
45) 1,2-Dichloropropane	7.434	63	20037	19.985	ug/l	95
46) Dibromomethane	7.586	93	14169	20.424	ug/l	99
47) Bromodichloromethane	7.824	83	27116	20.410	ug/l	99
48) Methyl methacrylate	7.696	41	23953	20.333	ug/l	97
49) 1,4-Dioxane	7.683	88	8902	438.533	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	157590	109.383	ug/l	98
52) Toluene	8.720	92	49845	19.867	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	25614	18.679	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	29340	20.000	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	20320	21.394	ug/l	98
56) Ethyl methacrylate	9.116	69	31714	21.064	ug/l	96
57) 1,3-Dichloropropane	9.311	76	34496	21.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	77678	100.519	ug/l	99
59) 2-Hexanone	9.433	43	117849	111.833	ug/l	99
60) Dibromochloromethane	9.525	129	20600	21.079	ug/l	99
61) 1,2-Dibromoethane	9.610	107	21399	21.324	ug/l	97
64) Tetrachloroethene	9.275	164	23539	17.870	ug/l	96
65) Chlorobenzene	10.079	112	53311	19.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	19411	19.455	ug/l	98
67) Ethyl Benzene	10.195	91	94580	19.702	ug/l	98
68) m/p-Xylenes	10.305	106	73569	39.832	ug/l	98
69) o-Xylene	10.640	106	35351	19.533	ug/l	100
70) Styrene	10.659	104	58347	19.878	ug/l	99
71) Bromoform	10.799	173	13497	18.676	ug/l #	98
73) Isopropylbenzene	10.963	105	94495	20.228	ug/l	99
74) N-amyl acetate	10.848	43	36527	19.570	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	26556	20.948	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	26553m	20.453	ug/l	
77) Bromobenzene	11.201	156	22345	20.123	ug/l	96
78) n-propylbenzene	11.305	91	105632	20.397	ug/l	100
79) 2-Chlorotoluene	11.366	91	63786	19.934	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	77787	20.232	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	6813	18.688	ug/l	97
82) 4-Chlorotoluene	11.457	91	72764	20.271	ug/l	99
83) tert-Butylbenzene	11.713	119	73705	20.114	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	77038	19.866	ug/l	97
85) sec-Butylbenzene	11.890	105	93382	20.104	ug/l	99
86) p-Isopropyltoluene	12.012	119	77818	19.776	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	39843	19.582	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	39310	19.157	ug/l	98
89) n-Butylbenzene	12.335	91	62661	19.463	ug/l	99
90) Hexachloroethane	12.542	117	11437	20.110	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	39061	19.896	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5995	19.230	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	23523	18.985	ug/l	99
94) Hexachlorobutadiene	13.725	225	9883	18.858	ug/l	99
95) Naphthalene	13.780	128	84212	19.404	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	23629	18.834	ug/l	99

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

