

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026963.D
 Acq On : 11 Feb 2022 13:46
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 12 04:27:58 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	5.556	168	98220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56704	48.094	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.180%		
35) Dibromofluoromethane	5.391	113	45010	47.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.653	98	166786	47.967	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.940%		
62) 4-Bromofluorobenzene	11.079	95	58454	47.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	20244	18.955	ug/l	97
3) Chloromethane	1.294	50	18685	18.806	ug/l	99
4) Vinyl Chloride	1.380	62	19463	18.713	ug/l	95
5) Bromomethane	1.617	94	8765	19.860	ug/l	98
6) Chloroethane	1.691	64	11603	18.578	ug/l	97
7) Trichlorofluoromethane	1.892	101	29324	19.159	ug/l	99
8) Diethyl Ether	2.136	74	10677	18.832	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	19737	19.673	ug/l	99
10) Methyl Iodide	2.459	142	22270	17.537	ug/l	96
11) Tert butyl alcohol	2.971	59	19244	90.349	ug/l #	95
12) 1,1-Dichloroethene	2.325	96	18318	18.223	ug/l	91
13) Acrolein	2.239	56	19127	97.172	ug/l	98
14) Allyl chloride	2.666	41	33671	18.911	ug/l	96
15) Acrylonitrile	3.068	53	60462	99.058	ug/l	99
16) Acetone	2.386	43	55801	107.757	ug/l	94
17) Carbon Disulfide	2.520	76	48533	17.056	ug/l	98
18) Methyl Acetate	2.709	43	28379	19.047	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	66361	18.651	ug/l	99
20) Methylene Chloride	2.794	84	21066	18.775	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	20004	18.912	ug/l	99
22) Diisopropyl ether	3.763	45	69714	19.447	ug/l	98
23) Vinyl Acetate	3.727	43	296555	98.394	ug/l	98
24) 1,1-Dichloroethane	3.617	63	37152	19.153	ug/l	100
25) 2-Butanone	4.562	43	85439	102.405	ug/l	98
26) 2,2-Dichloropropane	4.477	77	26602	20.297	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	23502	19.351	ug/l	97
28) Bromochloromethane	4.903	49	15405	19.158	ug/l	98
29) Tetrahydrofuran	5.007	42	56608	99.802	ug/l	99
30) Chloroform	5.099	83	38307	19.007	ug/l	100
31) Cyclohexane	5.477	56	35062	18.716	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	33518	18.863	ug/l	99
36) 1,1-Dichloropropene	5.696	75	28896	19.337	ug/l	99
37) Ethyl Acetate	4.721	43	32456	19.111	ug/l	99
38) Carbon Tetrachloride	5.678	117	29319	18.710	ug/l	96
39) Methylcyclohexane	7.385	83	35135	19.172	ug/l	100
40) Benzene	6.044	78	83342	19.136	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18308	19.890	ug/l	98
42) 1,2-Dichloroethane	6.086	62	30920	20.147	ug/l	98
43) Isopropyl Acetate	6.342	43	50898	19.479	ug/l	99
44) Trichloroethene	7.129	130	24174	18.486	ug/l	97
45) 1,2-Dichloropropane	7.434	63	21211	19.249	ug/l	97
46) Dibromomethane	7.580	93	14898	19.539	ug/l	98
47) Bromodichloromethane	7.824	83	29145	19.960	ug/l	100
48) Methyl methacrylate	7.696	41	25237	19.492	ug/l	97
49) 1,4-Dioxane	7.683	88	9057	405.953	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	164517	103.898	ug/l	99
52) Toluene	8.720	92	52126	18.904	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	27988	18.578	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32496	20.154	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	21251	20.357	ug/l	99
56) Ethyl methacrylate	9.116	69	33528	20.262	ug/l	97
57) 1,3-Dichloropropane	9.311	76	36088	20.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	81994	96.540	ug/l	98
59) 2-Hexanone	9.433	43	121731	105.105	ug/l	98
60) Dibromochloromethane	9.525	129	21415	19.938	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22082	20.021	ug/l	98
64) Tetrachloroethene	9.275	164	25327	18.309	ug/l	97
65) Chlorobenzene	10.079	112	55124	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	20117	19.199	ug/l	99
67) Ethyl Benzene	10.195	91	98777	19.594	ug/l	100
68) m/p-Xylenes	10.305	106	74788	38.558	ug/l	99
69) o-Xylene	10.640	106	36226	19.061	ug/l	98
70) Styrene	10.659	104	60462	19.615	ug/l	98
71) Bromoform	10.799	173	13592	17.986	ug/l #	99
73) Isopropylbenzene	10.963	105	96361	19.826	ug/l	99
74) N-amyl acetate	10.841	43	37292	19.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	26453	20.056	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27191m	20.131	ug/l	
77) Bromobenzene	11.201	156	22379	19.371	ug/l	98
78) n-propylbenzene	11.305	91	109009	20.231	ug/l	99
79) 2-Chlorotoluene	11.366	91	65355	19.631	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	79508	19.876	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7332	19.213	ug/l	98
82) 4-Chlorotoluene	11.457	91	74235	19.877	ug/l	97
83) tert-Butylbenzene	11.719	119	75293	19.749	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	79207	19.631	ug/l	99
85) sec-Butylbenzene	11.890	105	95869	19.837	ug/l	99
86) p-Isopropyltoluene	12.012	119	81291	19.855	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40911	19.325	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	40974	19.192	ug/l	98
89) n-Butylbenzene	12.335	91	68706	20.511	ug/l	99
90) Hexachloroethane	12.542	117	11898	20.107	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	39361	19.270	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6115	18.853	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	24824	19.257	ug/l	100
94) Hexachlorobutadiene	13.725	225	10631	19.497	ug/l	98
95) Naphthalene	13.774	128	87779	19.439	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25244	19.339	ug/l	99

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

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