

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022822\
 Data File : VX027221.D
 Acq On : 28 Feb 2022 15:38
 Operator : JC/MD
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 00:43:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	70840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	113390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43547	51.184	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.360%			
35) Dibromofluoromethane	5.391	113	35782	50.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.653	98	131511	49.972	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	50664	50.153	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	14721	20.906	ug/l	99
3) Chloromethane	1.294	50	14594	22.171	ug/l	97
4) Vinyl Chloride	1.374	62	13889	21.184	ug/l	99
5) Bromomethane	1.605	94	8633	29.755	ug/l	98
6) Chloroethane	1.685	64	8533	21.194	ug/l	99
7) Trichlorofluoromethane	1.892	101	21422	21.007	ug/l	97
8) Diethyl Ether	2.136	74	8051	22.683	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	15335	21.587	ug/l	97
10) Methyl Iodide	2.453	142	20406	21.392	ug/l	96
11) Tert butyl alcohol	2.965	59	19709	119.062	ug/l	97
12) 1,1-Dichloroethene	2.325	96	14873	21.566	ug/l	90
13) Acrolein	2.239	56	19284	126.035	ug/l	99
14) Allyl chloride	2.666	41	27125	22.339	ug/l	95
15) Acrylonitrile	3.069	53	52528	123.662	ug/l	98
16) Acetone	2.386	43	45960	123.036	ug/l	95
17) Carbon Disulfide	2.514	76	35987	20.068	ug/l	98
18) Methyl Acetate	2.709	43	23363	24.231	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	55435	23.426	ug/l	99
20) Methylene Chloride	2.794	84	17681	22.836	ug/l	94
21) trans-1,2-Dichloroethene	3.099	96	16064	21.842	ug/l	94
22) Diisopropyl ether	3.764	45	55899	23.615	ug/l	95
23) Vinyl Acetate	3.727	43	240625	120.377	ug/l	97
24) 1,1-Dichloroethane	3.617	63	29779	22.254	ug/l	99
25) 2-Butanone	4.562	43	73462	123.488	ug/l	95
26) 2,2-Dichloropropane	4.483	77	21639	22.291	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	19364	22.703	ug/l	94
28) Bromochloromethane	4.904	49	12505	23.099	ug/l	93
29) Tetrahydrofuran	5.013	42	47370	118.975	ug/l	96
30) Chloroform	5.099	83	31604	22.738	ug/l	98
31) Cyclohexane	5.477	56	27257	21.392	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	26362	21.910	ug/l	99
36) 1,1-Dichloropropene	5.696	75	22425	21.831	ug/l	98
37) Ethyl Acetate	4.721	43	27648	24.515	ug/l	99
38) Carbon Tetrachloride	5.684	117	23318	21.766	ug/l	100
39) Methylcyclohexane	7.385	83	27333	21.391	ug/l	94
40) Benzene	6.044	78	67895	22.602	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15048	24.323	ug/l	95
42) 1,2-Dichloroethane	6.092	62	24957	23.420	ug/l	98
43) Isopropyl Acetate	6.348	43	41573	23.962	ug/l	98
44) Trichloroethene	7.129	130	19595	21.807	ug/l	95
45) 1,2-Dichloropropane	7.434	63	17160	23.380	ug/l	95
46) Dibromomethane	7.580	93	12516	23.742	ug/l	96
47) Bromodichloromethane	7.824	83	23353	22.696	ug/l	98
48) Methyl methacrylate	7.696	41	20370	24.256	ug/l	96
49) 1,4-Dioxane	7.659	88	9302	489.963	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	143395	127.163	ug/l	97
52) Toluene	8.720	92	43798	22.770	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	23699	22.116	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	26576	23.138	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	18727	24.581	ug/l	97
56) Ethyl methacrylate	9.116	69	28887	24.355	ug/l	94
57) 1,3-Dichloropropane	9.311	76	30437	24.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	69059	120.790	ug/l	97
59) 2-Hexanone	9.433	43	110545	128.263	ug/l	97
60) Dibromochloromethane	9.525	129	18854	23.856	ug/l	98
61) 1,2-Dibromoethane	9.610	107	19215	23.683	ug/l	99
64) Tetrachloroethene	9.275	164	19917	20.990	ug/l	96
65) Chlorobenzene	10.079	112	47646	22.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	17790	22.947	ug/l	99
67) Ethyl Benzene	10.195	91	82413	21.959	ug/l	100
68) m/p-Xylenes	10.305	106	64251	44.532	ug/l	98
69) o-Xylene	10.640	106	32168	22.214	ug/l	95
70) Styrene	10.659	104	53459	22.561	ug/l	98
71) Bromoform	10.799	173	13166	21.669	ug/l #	100
73) Isopropylbenzene	10.963	105	82665	22.713	ug/l	99
74) N-amyl acetate	10.848	43	33441	24.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	26546	24.694	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	22984m	22.434	ug/l	
77) Bromobenzene	11.201	156	20797	22.909	ug/l	93
78) n-propylbenzene	11.305	91	94450	22.833	ug/l	99
79) 2-Chlorotoluene	11.366	91	58304	23.001	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	70458	23.023	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	6749	22.343	ug/l	97
82) 4-Chlorotoluene	11.457	91	66363	22.917	ug/l	97
83) tert-Butylbenzene	11.713	119	68771	23.110	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	71412	23.459	ug/l	99
85) sec-Butylbenzene	11.890	105	84537	22.656	ug/l	98
86) p-Isopropyltoluene	12.012	119	72186	22.693	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	38030	22.263	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	38178	21.858	ug/l	97
89) n-Butylbenzene	12.335	91	58974	22.181	ug/l	99
90) Hexachloroethane	12.542	117	10420	21.147	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	38269	22.960	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6000	24.041	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	23218	22.075	ug/l	97
94) Hexachlorobutadiene	13.725	225	9305	21.309	ug/l	100
95) Naphthalene	13.780	128	82207	23.001	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	23421	22.216	ug/l	98

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

