

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030035.D
 Acq On : 13 Jul 2022 11:11
 Operator : JC/MD
 Sample : VX0713WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 04:54:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	228389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	390704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	343274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140456	50.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	5.385	113	127294	51.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.653	98	489954	52.194	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.380%			
62) 4-Bromofluorobenzene	11.085	95	170225	52.254	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	57200	21.487	ug/l	94
3) Chloromethane	1.288	50	51784	21.759	ug/l	97
4) Vinyl Chloride	1.374	62	57611	21.794	ug/l	94
5) Bromomethane	1.612	94	25651	22.843	ug/l	95
6) Chloroethane	1.685	64	31868	21.408	ug/l	93
7) Trichlorofluoromethane	1.886	101	74255	21.751	ug/l	100
8) Diethyl Ether	2.136	74	30149	21.347	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	48852	20.961	ug/l	99
10) Methyl Iodide	2.453	142	39459	18.822	ug/l	97
11) Tert butyl alcohol	2.977	59	66746	93.030	ug/l	98
12) 1,1-Dichloroethene	2.319	96	49588	21.310	ug/l	99
13) Acrolein	2.240	56	11253	78.751	ug/l	99
14) Allyl chloride	2.666	41	86905	21.371	ug/l	98
15) Acrylonitrile	3.069	53	173874	106.633	ug/l	99
16) Acetone	2.386	43	134951	103.023	ug/l	99
17) Carbon Disulfide	2.514	76	131718	20.003	ug/l	98
18) Methyl Acetate	2.709	43	79480	19.945	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	155956	21.203	ug/l	97
20) Methylene Chloride	2.794	84	57766	20.706	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	52680	21.720	ug/l	96
22) Diisopropyl ether	3.764	45	169884	21.343	ug/l	100
23) Vinyl Acetate	3.727	43	743638	110.360	ug/l	99
24) 1,1-Dichloroethane	3.611	63	94362	21.394	ug/l	98
25) 2-Butanone	4.568	43	233284	104.548	ug/l	100
26) 2,2-Dichloropropane	4.483	77	65490	21.137	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	63550	21.396	ug/l	96
28) Bromochloromethane	4.904	49	43528	23.458	ug/l	95
29) Tetrahydrofuran	5.013	42	158523	104.684	ug/l	99
30) Chloroform	5.099	83	92911	21.138	ug/l	95
31) Cyclohexane	5.471	56	86012	21.343	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	74294	20.680	ug/l	97
36) 1,1-Dichloropropene	5.696	75	69696	21.618	ug/l	99
37) Ethyl Acetate	4.727	43	88360	21.329	ug/l	98
38) Carbon Tetrachloride	5.678	117	64483	21.448	ug/l	96
39) Methylcyclohexane	7.385	83	90696	22.191	ug/l	99
40) Benzene	6.044	78	223734	22.048	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	48388	21.693	ug/l	98
42) 1,2-Dichloroethane	6.086	62	66435	21.125	ug/l	98
43) Isopropyl Acetate	6.342	43	130909	21.014	ug/l	98
44) Trichloroethene	7.129	130	63592	21.446	ug/l	98
45) 1,2-Dichloropropane	7.434	63	55211	20.932	ug/l	96
46) Dibromomethane	7.586	93	38878	21.416	ug/l	98
47) Bromodichloromethane	7.824	83	69327	21.046	ug/l	99
48) Methyl methacrylate	7.696	41	63801	22.197	ug/l	99
49) 1,4-Dioxane	7.678	88	31314	419.320	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	447729	108.612	ug/l	98
52) Toluene	8.720	92	138274	21.459	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	72777	21.270	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	83251	21.239	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	57009	21.454	ug/l	97
56) Ethyl methacrylate	9.116	69	88307	22.103	ug/l	98
57) 1,3-Dichloropropane	9.311	76	91598	21.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	182785	84.256	ug/l	99
59) 2-Hexanone	9.433	43	346131	109.493	ug/l	100
60) Dibromochloromethane	9.525	129	53287	20.584	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58269	21.069	ug/l	100
64) Tetrachloroethene	9.275	164	59522	21.600	ug/l	98
65) Chlorobenzene	10.080	112	143952	21.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	48843	20.960	ug/l	97
67) Ethyl Benzene	10.195	91	254389	21.958	ug/l	99
68) m/p-Xylenes	10.305	106	197969	43.568	ug/l	100
69) o-Xylene	10.647	106	99102	21.782	ug/l	98
70) Styrene	10.659	104	162193	21.478	ug/l	99
71) Bromoform	10.799	173	38462	20.543	ug/l #	100
73) Isopropylbenzene	10.964	105	252294	22.207	ug/l	99
74) N-amyl acetate	10.842	43	107248	21.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	87115	21.254	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	79626m	21.225	ug/l	
77) Bromobenzene	11.201	156	58859	20.707	ug/l	96
78) n-propylbenzene	11.305	91	294015	21.814	ug/l	99
79) 2-Chlorotoluene	11.366	91	173297	21.466	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	204582	21.371	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	26538	20.415	ug/l	95
82) 4-Chlorotoluene	11.457	91	193617	21.406	ug/l	99
83) tert-Butylbenzene	11.720	119	194870	21.227	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	208236	21.992	ug/l	100
85) sec-Butylbenzene	11.890	105	261885	21.578	ug/l	99
86) p-Isopropyltoluene	12.012	119	213216	21.898	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	111621	21.253	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	112157	20.809	ug/l	99
89) n-Butylbenzene	12.335	91	198824	22.791	ug/l	99
90) Hexachloroethane	12.543	117	35149	21.117	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	113147	21.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20175	21.557	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	68214	20.813	ug/l	98
94) Hexachlorobutadiene	13.725	225	26486	20.242	ug/l	99
95) Naphthalene	13.780	128	270976	20.830	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	68016	20.396	ug/l	98

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

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