

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
 Data File : VX030083.D
 Acq On : 15 Jul 2022 11:20
 Operator : JC/MD
 Sample : VX0715WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2022
 Supervised By : Mahesh Dadoda 07/18/2022

Quant Time: Jul 16 06:00:36 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	187173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	320230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	284574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119450	52.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	5.391	113	103822	50.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.653	98	396444	51.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	11.079	95	138872	52.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45166	20.666	ug/l	99
3) Chloromethane	1.288	50	40487	20.758	ug/l	99
4) Vinyl Chloride	1.374	62	44210	20.407	ug/l	97
5) Bromomethane	1.611	94	20752	22.550	ug/l	93
6) Chloroethane	1.685	64	23147	18.973	ug/l	95
7) Trichlorofluoromethane	1.886	101	60499	21.624	ug/l	94
8) Diethyl Ether	2.136	74	23041	19.907	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	42581	22.294	ug/l	99
10) Methyl Iodide	2.447	142	34673	20.007	ug/l	99
11) Tert butyl alcohol	2.995	59	49578	84.318	ug/l	96
12) 1,1-Dichloroethene	2.319	96	39373	20.646	ug/l	95
13) Acrolein	2.239	56	11442	97.706	ug/l	99
14) Allyl chloride	2.666	41	70119	21.041	ug/l	97
15) Acrylonitrile	3.069	53	139655	104.507	ug/l	98
16) Acetone	2.392	43	111106	103.497	ug/l	97
17) Carbon Disulfide	2.508	76	101467	18.779	ug/l	99
18) Methyl Acetate	2.709	43	67297	20.606	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	125610	20.838	ug/l	95
20) Methylene Chloride	2.794	84	47706	20.881	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	42549	21.406	ug/l	96
22) Diisopropyl ether	3.764	45	139661	21.410	ug/l	97
23) Vinyl Acetate	3.727	43	609037	110.288	ug/l	99
24) 1,1-Dichloroethane	3.611	63	77134	21.339	ug/l	98
25) 2-Butanone	4.568	43	193461	105.793	ug/l	96
26) 2,2-Dichloropropane	4.477	77	53174	20.941	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	51016	20.958	ug/l	97
28) Bromochloromethane	4.904	49	33572	22.077	ug/l	98
29) Tetrahydrofuran	5.013	42	126621	102.029	ug/l	99
30) Chloroform	5.099	83	77239	21.442	ug/l	95
31) Cyclohexane	5.471	56	71036	21.509	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	62336	21.172	ug/l	98
36) 1,1-Dichloropropene	5.690	75	57696	21.834	ug/l	97
37) Ethyl Acetate	4.721	43	71307	21.000	ug/l	100
38) Carbon Tetrachloride	5.684	117	52650	21.366	ug/l	98
39) Methylcyclohexane	7.385	83	74669	22.290	ug/l	96
40) Benzene	6.038	78	180448	21.696	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38967	21.314	ug/l	98
42) 1,2-Dichloroethane	6.092	62	57450	22.288	ug/l	98
43) Isopropyl Acetate	6.342	43	107136	20.983	ug/l	99
44) Trichloroethene	7.129	130	50105	20.616	ug/l	99
45) 1,2-Dichloropropane	7.434	63	45876	21.221	ug/l	95
46) Dibromomethane	7.586	93	31207	20.974	ug/l	97
47) Bromodichloromethane	7.824	83	57072	21.139	ug/l	95
48) Methyl methacrylate	7.696	41	50379	21.384	ug/l	97
49) 1,4-Dioxane	7.690	88	24835	405.749	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	369857	109.467	ug/l	99
52) Toluene	8.720	92	110911	21.000	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	58660	20.917	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	67147	20.900	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	45921	21.084	ug/l	96
56) Ethyl methacrylate	9.116	69	69664	21.274	ug/l	98
57) 1,3-Dichloropropane	9.311	76	75198	21.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	179825	101.134	ug/l	100
59) 2-Hexanone	9.433	43	286939	110.744	ug/l	98
60) Dibromochloromethane	9.525	129	43430	20.468	ug/l	100
61) 1,2-Dibromoethane	9.610	107	46959	20.717	ug/l	99
64) Tetrachloroethene	9.275	164	49185	21.531	ug/l	97
65) Chlorobenzene	10.079	112	118432	20.900	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	39895	20.651	ug/l	99
67) Ethyl Benzene	10.195	91	210273	21.894	ug/l	98
68) m/p-Xylenes	10.305	106	163165	43.316	ug/l	100
69) o-Xylene	10.646	106	80390	21.314	ug/l	98
70) Styrene	10.659	104	132595	21.181	ug/l	100
71) Bromoform	10.799	173	29491	19.001	ug/l	97
73) Isopropylbenzene	10.963	105	205068	21.526	ug/l	99
74) N-amyl acetate	10.842	43	85938	20.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	69234	20.143	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	66878m	21.260	ug/l	
77) Bromobenzene	11.201	156	46764	19.619	ug/l	97
78) n-propylbenzene	11.305	91	241432	21.362	ug/l	100
79) 2-Chlorotoluene	11.366	91	143261	21.163	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	169497	21.115	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19547	17.933	ug/l	91
82) 4-Chlorotoluene	11.457	91	161499	21.293	ug/l	100
83) tert-Butylbenzene	11.719	119	158502	20.589	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	173810	21.890	ug/l	99
85) sec-Butylbenzene	11.890	105	219379	21.556	ug/l	100
86) p-Isopropyltoluene	12.012	119	174065	21.319	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	91252	20.720	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	91644	20.277	ug/l	99
89) n-Butylbenzene	12.335	91	159445	21.796	ug/l	100
90) Hexachloroethane	12.536	117	27433	19.655	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	92069	20.577	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15350	19.559	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	53144	19.337	ug/l	100
94) Hexachlorobutadiene	13.725	225	21926	19.983	ug/l	99
95) Naphthalene	13.774	128	212683	19.497	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	54584	19.520	ug/l	96

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

