

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031430.D
 Acq On : 16 Sep 2022 23:26
 Operator : JC/MD
 Sample : VX0916WBS04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:51:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	47067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	73276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	81006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	865m	0.749	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	1.500%#		
35) Dibromofluoromethane	5.397	113	586m	0.744	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	1.480%#		
50) Toluene-d8	8.653	98	2236	0.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.520%#		
62) 4-Bromofluorobenzene	11.079	95	970	0.897	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	1.800%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	8294	16.320	ug/l	97
3) Chloromethane	1.288	50	12637	17.101	ug/l	98
4) Vinyl Chloride	1.374	62	15919	19.358	ug/l	96
5) Bromomethane	1.612	94	21135	34.271	ug/l	98
6) Chloroethane	1.685	64	21106	32.347	ug/l	98
7) Trichlorofluoromethane	1.886	101	35493	23.545	ug/l	100
8) Diethyl Ether	2.136	74	13858	20.632	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	13184	18.495	ug/l	93
10) Methyl Iodide	2.453	142	9529	13.209	ug/l	98
11) Tert butyl alcohol	2.995	59	23027	71.645	ug/l	96
12) 1,1-Dichloroethene	2.319	96	12316	18.742	ug/l	94
13) Acrolein	2.239	56	6102	45.771	ug/l	100
14) Allyl chloride	2.666	41	19748	13.603	ug/l	96
15) Acrylonitrile	3.069	53	42200	79.198	ug/l	99
16) Acetone	2.392	43	36957	74.934	ug/l	96
17) Carbon Disulfide	2.514	76	26671	17.542	ug/l	96
18) Methyl Acetate	2.709	43	22556	15.423	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	48240	15.852	ug/l	100
20) Methylene Chloride	2.788	84	15133	18.039	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	13777	17.711	ug/l	96
22) Diisopropyl ether	3.764	45	46499	15.307	ug/l	97
23) Vinyl Acetate	3.727	43	199599	79.062	ug/l	99
24) 1,1-Dichloroethane	3.617	63	26811	16.817	ug/l	97
25) 2-Butanone	4.562	43	60133	73.919	ug/l	99
26) 2,2-Dichloropropane	4.471	77	17772	11.750	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	17085	17.651	ug/l	89
28) Bromochloromethane	4.904	49	10735	14.446	ug/l	91
29) Tetrahydrofuran	5.019	42	37648	74.714	ug/l	95
30) Chloroform	5.093	83	29103	17.239	ug/l	94
31) Cyclohexane	5.477	56	20109	16.202	ug/l	92
32) 1,1,1-Trichloroethane	5.391	97	24879	16.447	ug/l	99
36) 1,1-Dichloropropene	5.696	75	19770	18.338	ug/l	99
37) Ethyl Acetate	4.715	43	23749	16.763	ug/l	97
38) Carbon Tetrachloride	5.684	117	21010	17.928	ug/l	92
39) Methylcyclohexane	7.379	83	21608	18.199	ug/l	93
40) Benzene	6.044	78	59095	19.088	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	11615	15.133	ug/l	93
42) 1,2-Dichloroethane	6.092	62	22590	18.090	ug/l	96
43) Isopropyl Acetate	6.342	43	37565	15.533	ug/l	99
44) Trichloroethene	7.129	130	15996	20.265	ug/l	96
45) 1,2-Dichloropropane	7.428	63	15224	17.962	ug/l	97
46) Dibromomethane	7.586	93	11517	19.161	ug/l	94
47) Bromodichloromethane	7.824	83	22194	17.753	ug/l	93
48) Methyl methacrylate	7.696	41	17239	15.659	ug/l	94
49) 1,4-Dioxane	7.690	88	8568	388.080	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	127144	86.495	ug/l	99
52) Toluene	8.720	92	38681	19.752	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	21955	15.606	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	22305	15.428	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	16997	19.661	ug/l	92
56) Ethyl methacrylate	9.122	69	23953	17.116	ug/l	93
57) 1,3-Dichloropropane	9.311	76	26838	18.067	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	49676	76.184	ug/l	98
59) 2-Hexanone	9.433	43	96163	85.713	ug/l	100
60) Dibromochloromethane	9.525	129	16977	18.215	ug/l	97
61) 1,2-Dibromoethane	9.610	107	17450	19.672	ug/l	99
64) Tetrachloroethene	9.275	164	15198	20.520	ug/l	98
65) Chlorobenzene	10.080	112	42886	19.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	15784	18.673	ug/l	98
67) Ethyl Benzene	10.195	91	75473	19.422	ug/l	97
68) m/p-Xylenes	10.305	106	57384	38.890	ug/l	98
69) o-Xylene	10.640	106	29093	19.412	ug/l	94
70) Styrene	10.659	104	47301	19.409	ug/l	98
71) Bromoform	10.799	173	11920	17.713	ug/l #	97
73) Isopropylbenzene	10.964	105	76264	18.513	ug/l	99
74) N-amyl acetate	10.842	43	31747	15.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	26316	17.776	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	22934m	16.317	ug/l	
77) Bromobenzene	11.201	156	18610	19.813	ug/l	93
78) n-propylbenzene	11.305	91	86460	17.884	ug/l	100
79) 2-Chlorotoluene	11.366	91	50996	17.239	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	62643	18.150	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	6046	11.903	ug/l	88
82) 4-Chlorotoluene	11.457	91	58429	17.232	ug/l	98
83) tert-Butylbenzene	11.713	119	63927	18.513	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	62545	18.233	ug/l	100
85) sec-Butylbenzene	11.890	105	78276	18.103	ug/l	99
86) p-Isopropyltoluene	12.012	119	64474	18.298	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	35506	19.827	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	36184	19.659	ug/l	98
89) n-Butylbenzene	12.335	91	54010	17.286	ug/l	97
90) Hexachloroethane	12.543	117	11031	15.677	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	35844	19.659	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5310	14.223	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	21032	21.303	ug/l	98
94) Hexachlorobutadiene	13.725	225	7717	20.024	ug/l	97
95) Naphthalene	13.774	128	76033	18.956	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	20988	19.852	ug/l	97

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

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