

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031558.D
 Acq On : 22 Sep 2022 09:13
 Operator : JC/MD
 Sample : VX0921WBS04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0921WBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2022
 Supervised By : Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 09:37:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	50356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	74576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	84529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	45972	46.008	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.020%		
35) Dibromofluoromethane	5.385	113	39172	48.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	8.647	98	147669	49.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	51142	48.445	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15716	21.707	ug/l	100
3) Chloromethane	1.288	50	17631	18.356	ug/l	95
4) Vinyl Chloride	1.374	62	21889	19.986	ug/l	100
5) Bromomethane	1.611	94	27928	17.909	ug/l	98
6) Chloroethane	1.685	64	28256	28.510	ug/l	99
7) Trichlorofluoromethane	1.886	101	46246	18.615	ug/l	99
8) Diethyl Ether	2.130	74	15782	18.445	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	15810	19.499	ug/l	92
10) Methyl Iodide	2.453	142	16182	20.628	ug/l	98
11) Tert butyl alcohol	2.989	59	19617	78.641	ug/l	99
12) 1,1-Dichloroethene	2.319	96	14259	18.192	ug/l	86
13) Acrolein	2.239	56	5925	49.843	ug/l	99
14) Allyl chloride	2.660	41	20669	16.170	ug/l	91
15) Acrylonitrile	3.062	53	44640	91.855	ug/l	98
16) Acetone	2.392	43	44141	100.098	ug/l	92
17) Carbon Disulfide	2.508	76	34146	16.168	ug/l	98
18) Methyl Acetate	2.709	43	24557	17.795	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	51420	18.139	ug/l	97
20) Methylene Chloride	2.788	84	16906	19.044	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	16275	18.388	ug/l	88
22) Diisopropyl ether	3.757	45	50287	18.167	ug/l	87
23) Vinyl Acetate	3.721	43	212054	89.582	ug/l	99
24) 1,1-Dichloroethane	3.611	63	27802	17.774	ug/l	99
25) 2-Butanone	4.562	43	65893	92.428	ug/l	93
26) 2,2-Dichloropropane	4.477	77	23288	16.854	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	19346	18.135	ug/l	86
28) Bromochloromethane	4.891	49	11594	18.554	ug/l	92
29) Tetrahydrofuran	5.013	42	41032	88.248	ug/l	96
30) Chloroform	5.093	83	32139	18.734	ug/l	93
31) Cyclohexane	5.471	56	24381	17.800	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	27789	17.834	ug/l	99
36) 1,1-Dichloropropene	5.690	75	23234	19.600	ug/l	97
37) Ethyl Acetate	4.715	43	26310	18.605	ug/l	98
38) Carbon Tetrachloride	5.672	117	23924	18.208	ug/l	98
39) Methylcyclohexane	7.379	83	27659	18.963	ug/l	90
40) Benzene	6.037	78	67753	19.158	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	12504	17.759	ug/l	93
42) 1,2-Dichloroethane	6.086	62	24378	18.702	ug/l	98
43) Isopropyl Acetate	6.342	43	40504	18.635	ug/l	98
44) Trichloroethene	7.123	130	18912	18.861	ug/l	88
45) 1,2-Dichloropropane	7.427	63	16941	19.057	ug/l	95
46) Dibromomethane	7.580	93	12967	18.950	ug/l	91
47) Bromodichloromethane	7.818	83	23427	18.209	ug/l	92
48) Methyl methacrylate	7.690	41	17790	17.916	ug/l #	88
49) 1,4-Dioxane	7.702	88	8918	393.261	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	133961	95.823	ug/l	100
52) Toluene	8.720	92	46163	20.015	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	23756	17.844	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	25513	17.522	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	18395	19.356	ug/l	98
56) Ethyl methacrylate	9.116	69	26501	19.606	ug/l	94
57) 1,3-Dichloropropane	9.311	76	29356	18.823	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	42315	75.661	ug/l	93
59) 2-Hexanone	9.433	43	101381	96.559	ug/l	100
60) Dibromochloromethane	9.525	129	18674	18.504	ug/l	100
61) 1,2-Dibromoethane	9.610	107	19606	19.149	ug/l	99
64) Tetrachloroethene	9.275	164	19441	19.148	ug/l	96
65) Chlorobenzene	10.079	112	49790	19.101	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	17821	18.948	ug/l	98
67) Ethyl Benzene	10.195	91	86903	18.882	ug/l	99
68) m/p-Xylenes	10.299	106	69564	37.611	ug/l	97
69) o-Xylene	10.640	106	33447	18.946	ug/l	96
70) Styrene	10.653	104	54228	18.656	ug/l	97
71) Bromoform	10.799	173	13099	17.407	ug/l #	100
73) Isopropylbenzene	10.963	105	88874	19.396	ug/l	98
74) N-amyl acetate	10.848	43	35369	19.044	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	29523	19.111	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	25917m	19.430	ug/l	
77) Bromobenzene	11.201	156	21946	19.433	ug/l	88
78) n-propylbenzene	11.305	91	102438	19.432	ug/l	99
79) 2-Chlorotoluene	11.366	91	58637	18.687	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	75432	19.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6976	16.401	ug/l #	85
82) 4-Chlorotoluene	11.457	91	68244	18.532	ug/l	95
83) tert-Butylbenzene	11.713	119	72428	19.217	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	74369	19.419	ug/l	96
85) sec-Butylbenzene	11.890	105	93676	19.639	ug/l	98
86) p-Isopropyltoluene	12.012	119	79592	19.761	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	42132	19.464	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	44191	19.573	ug/l	97
89) n-Butylbenzene	12.335	91	68402	19.937	ug/l	98
90) Hexachloroethane	12.536	117	12604	18.212	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41987	19.262	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5787	18.380	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	25256	21.027	ug/l	95
94) Hexachlorobutadiene	13.725	225	10254	21.991	ug/l	95
95) Naphthalene	13.774	128	88714	20.168	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25366	20.490	ug/l	97

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

