

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031488.D
 Acq On : 20 Sep 2022 11:42
 Operator : JC/MD
 Sample : VX0920WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2022
 Supervised By : Mahesh Dadoda 09/21/2022

Quant Time: Sep 20 17:18:48 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	51300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	78154	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	86398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48212	51.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.360%			
35) Dibromofluoromethane	5.385	113	40214	49.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.560%			
50) Toluene-d8	8.647	98	154568	49.641	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.280%			
62) 4-Bromofluorobenzene	11.079	95	51859	49.169	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16211	21.979	ug/l	94
3) Chloromethane	1.295	50	18961	19.378	ug/l	98
4) Vinyl Chloride	1.374	62	22475	20.143	ug/l	99
5) Bromomethane	1.612	94	34470	21.697	ug/l	98
6) Chloroethane	1.685	64	25807	25.233	ug/l	99
7) Trichlorofluoromethane	1.886	101	46805	18.494	ug/l	100
8) Diethyl Ether	2.136	74	14851	17.038	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	15988	19.356	ug/l	93
10) Methyl Iodide	2.453	142	14999	18.768	ug/l	98
11) Tert butyl alcohol	2.995	59	20408	81.085	ug/l	100
12) 1,1-Dichloroethene	2.319	96	15053	18.851	ug/l	91
13) Acrolein	2.239	56	10584	96.521	ug/l	100
14) Allyl chloride	2.666	41	22286	17.115	ug/l	95
15) Acrylonitrile	3.069	53	46481	93.883	ug/l	98
16) Acetone	2.386	43	39079	96.648	ug/l	94
17) Carbon Disulfide	2.514	76	37771	17.556	ug/l	98
18) Methyl Acetate	2.709	43	25039	17.810	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	50662	17.543	ug/l	97
20) Methylene Chloride	2.788	84	17244	19.071	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	16428	18.219	ug/l	92
22) Diisopropyl ether	3.764	45	50763	18.002	ug/l	98
23) Vinyl Acetate	3.721	43	213595	88.573	ug/l	96
24) 1,1-Dichloroethane	3.617	63	28798	18.072	ug/l	97
25) 2-Butanone	4.562	43	64491	88.789	ug/l	94
26) 2,2-Dichloropropane	4.477	77	23745	16.869	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	19147	17.618	ug/l	90
28) Bromochloromethane	4.904	49	13201	20.737	ug/l	90
29) Tetrahydrofuran	5.013	42	41136	86.844	ug/l	94
30) Chloroform	5.093	83	31713	18.145	ug/l	99
31) Cyclohexane	5.471	56	24736	17.727	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	28452	17.923	ug/l	98
36) 1,1-Dichloropropene	5.696	75	24053	19.362	ug/l	97
37) Ethyl Acetate	4.709	43	25580	17.260	ug/l	98
38) Carbon Tetrachloride	5.684	117	25295	18.370	ug/l	96
39) Methylcyclohexane	7.379	83	28490	18.639	ug/l	91
40) Benzene	6.038	78	68268	18.420	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	12846	17.409	ug/l	95
42) 1,2-Dichloroethane	6.086	62	25223	18.464	ug/l	98
43) Isopropyl Acetate	6.342	43	41125	18.055	ug/l	100
44) Trichloroethene	7.129	130	19212	18.283	ug/l	83
45) 1,2-Dichloropropane	7.428	63	16893	18.133	ug/l	95
46) Dibromomethane	7.580	93	13510	18.839	ug/l	95
47) Bromodichloromethane	7.818	83	24873	18.448	ug/l	99
48) Methyl methacrylate	7.690	41	18683	17.954	ug/l	92
49) 1,4-Dioxane	7.684	88	9846	414.306	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	136563	93.212	ug/l	98
52) Toluene	8.720	92	45961	19.015	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	24789	17.767	ug/l	93
54) cis-1,3-Dichloropropene	8.366	75	26833	17.585	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	18442	18.517	ug/l	97
56) Ethyl methacrylate	9.116	69	25782	18.201	ug/l	94
57) 1,3-Dichloropropane	9.311	76	30550	18.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	54739	93.355	ug/l	96
59) 2-Hexanone	9.433	43	103381	93.956	ug/l	99
60) Dibromochloromethane	9.519	129	19240	18.192	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19433	18.112	ug/l	96
64) Tetrachloroethene	9.275	164	19707	18.990	ug/l	91
65) Chlorobenzene	10.080	112	49724	18.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	18203	18.936	ug/l	99
67) Ethyl Benzene	10.195	91	86726	18.436	ug/l	99
68) m/p-Xylenes	10.299	106	68091	36.018	ug/l	99
69) o-Xylene	10.640	106	33986	18.835	ug/l	94
70) Styrene	10.659	104	54121	18.217	ug/l	96
71) Bromoform	10.799	173	13730	17.851	ug/l #	100
73) Isopropylbenzene	10.964	105	87316	18.899	ug/l	99
74) N-amyl acetate	10.842	43	35385	18.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	28834	20.751	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26281m	19.032	ug/l	
77) Bromobenzene	11.201	156	21841	19.181	ug/l	93
78) n-propylbenzene	11.305	91	103712	19.511	ug/l	99
79) 2-Chlorotoluene	11.366	91	58637	18.533	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	74321	18.955	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7729	18.022	ug/l	91
82) 4-Chlorotoluene	11.457	91	69083	18.606	ug/l	98
83) tert-Butylbenzene	11.713	119	72259	19.014	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	73288	18.979	ug/l	98
85) sec-Butylbenzene	11.890	105	91998	19.129	ug/l	99
86) p-Isopropyltoluene	12.012	119	77773	19.150	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41841	19.170	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	42897	18.843	ug/l	97
89) n-Butylbenzene	12.335	91	66393	19.192	ug/l	98
90) Hexachloroethane	12.542	117	12960	18.572	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41970	19.096	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6030	18.994	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	24020	19.834	ug/l	97
94) Hexachlorobutadiene	13.725	225	9502	19.992	ug/l	98
95) Naphthalene	13.774	128	86147	19.423	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	24658	19.754	ug/l	98

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

