

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031310.D
 Acq On : 14 Sep 2022 15:31
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091422

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/15/2022
 Supervised By : Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 01:58:27 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	5.550	168	54350	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	87444	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66020	49.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.980%		
35) Dibromofluoromethane	5.385	113	48912	52.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.080%		
50) Toluene-d8	8.647	98	188736	53.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.060%		
62) 4-Bromofluorobenzene	11.079	95	72196	55.915	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29761	50.714	ug/l	97
3) Chloromethane	1.288	50	45737	57.074	ug/l	100
4) Vinyl Chloride	1.374	62	52142	54.909	ug/l	97
5) Bromomethane	1.605	94	38968	54.720	ug/l	100
6) Chloroethane	1.678	64	37092	49.218	ug/l	100
7) Trichlorofluoromethane	1.880	101	93027	53.441	ug/l	99
8) Diethyl Ether	2.130	74	35580	49.573	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	40934	49.728	ug/l	98
10) Methyl Iodide	2.447	142	42687	48.627	ug/l	99
11) Tert butyl alcohol	2.977	59	75493	274.069	ug/l	99
12) 1,1-Dichloroethene	2.319	96	38496	50.732	ug/l	97
13) Acrolein	2.233	56	34125	221.669	ug/l	98
14) Allyl chloride	2.660	41	83138	49.595	ug/l	98
15) Acrylonitrile	3.062	53	153619	249.669	ug/l	99
16) Acetone	2.386	43	136825	240.251	ug/l	100
17) Carbon Disulfide	2.507	76	100170	55.075	ug/l	99
18) Methyl Acetate	2.703	43	82403	48.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	175954	50.073	ug/l	99
20) Methylene Chloride	2.788	84	47655	53.526	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	46254	54.366	ug/l	91
22) Diisopropyl ether	3.757	45	172306	49.120	ug/l	91
23) Vinyl Acetate	3.721	43	762749	261.641	ug/l	99
24) 1,1-Dichloroethane	3.605	63	92835	50.428	ug/l	99
25) 2-Butanone	4.556	43	230354	245.220	ug/l	99
26) 2,2-Dichloropropane	4.471	77	89044	50.981	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	54937	49.151	ug/l	98
28) Bromochloromethane	4.897	49	36991	43.109	ug/l	98
29) Tetrahydrofuran	5.007	42	144657	248.608	ug/l	100
30) Chloroform	5.092	83	99975	51.284	ug/l	100
31) Cyclohexane	5.464	56	80585	56.226	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	90146	51.607	ug/l	99
36) 1,1-Dichloropropene	5.690	75	70595	54.871	ug/l	98
37) Ethyl Acetate	4.714	43	86263	51.022	ug/l	99
38) Carbon Tetrachloride	5.672	117	76962	55.032	ug/l	96
39) Methylcyclohexane	7.379	83	85099	60.062	ug/l	99
40) Benzene	6.037	78	204097	55.244	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	46415	50.677	ug/l	98
42) 1,2-Dichloroethane	6.086	62	82286	55.218	ug/l	99
43) Isopropyl Acetate	6.336	43	147940	51.263	ug/l	99
44) Trichloroethene	7.123	130	51312	54.474	ug/l	97
45) 1,2-Dichloropropane	7.433	63	53910	53.301	ug/l	95
46) Dibromomethane	7.580	93	37586	52.401	ug/l	98
47) Bromodichloromethane	7.818	83	81321	54.509	ug/l	99
48) Methyl methacrylate	7.689	41	68222	51.929	ug/l	99
49) 1,4-Dioxane	7.671	88	28428	1078.997	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	458940	261.627	ug/l	100
52) Toluene	8.720	92	133747	57.230	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	92818	55.285	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	94223	54.612	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	56579	54.842	ug/l	98
56) Ethyl methacrylate	9.116	69	91573	54.832	ug/l	100
57) 1,3-Dichloropropane	9.311	76	95874	54.084	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	205352	263.904	ug/l	100
59) 2-Hexanone	9.433	43	348666	260.423	ug/l	100
60) Dibromochloromethane	9.525	129	62873	56.529	ug/l	100
61) 1,2-Dibromoethane	9.610	107	61522	58.117	ug/l	99
64) Tetrachloroethene	9.275	164	49416	53.407	ug/l	93
65) Chlorobenzene	10.079	112	145137	54.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	56672	53.666	ug/l	99
67) Ethyl Benzene	10.195	91	264676	54.520	ug/l	99
68) m/p-Xylenes	10.299	106	204918	111.166	ug/l	99
69) o-Xylene	10.640	106	100796	53.836	ug/l	100
70) Styrene	10.658	104	168332	55.289	ug/l	100
71) Bromoform	10.799	173	45982	54.696	ug/l #	100
73) Isopropylbenzene	10.963	105	268105	50.098	ug/l	100
74) N-amyl acetate	10.841	43	125219	47.066	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	89009	46.281	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	87690m	48.026	ug/l	
77) Bromobenzene	11.201	156	62535	51.249	ug/l	98
78) n-propylbenzene	11.305	91	320382	51.012	ug/l	99
79) 2-Chlorotoluene	11.366	91	186736	48.593	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	231155	51.555	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	32897	49.854	ug/l	98
82) 4-Chlorotoluene	11.457	91	218706	49.652	ug/l	99
83) tert-Butylbenzene	11.713	119	227099	50.626	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	229775	51.562	ug/l	100
85) sec-Butylbenzene	11.890	105	293904	52.323	ug/l	100
86) p-Isopropyltoluene	12.012	119	243900	53.285	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	123763	53.199	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	125389	52.441	ug/l	99
89) n-Butylbenzene	12.335	91	219105	53.980	ug/l	100
90) Hexachloroethane	12.542	117	46657	51.042	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	120591	50.914	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23477	53.382	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	71397	55.669	ug/l	99
94) Hexachlorobutadiene	13.725	225	26883	53.697	ug/l	97
95) Naphthalene	13.774	128	271782	52.158	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	72645	52.893	ug/l	99

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

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