

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031155.D
 Acq On : 07 Sep 2022 13:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 07 22:59:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 22:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	55006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	88456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65614	50.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.760%			
35) Dibromofluoromethane	5.391	113	48961	50.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.653	98	175386	50.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	69043	53.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	42712	48.319	ug/l	95
3) Chloromethane	1.288	50	31579	46.490	ug/l	98
4) Vinyl Chloride	1.374	62	38297	47.760	ug/l	100
5) Bromomethane	1.612	94	24573	47.964	ug/l	98
6) Chloroethane	1.685	64	22659	50.374	ug/l	98
7) Trichlorofluoromethane	1.886	101	86409	49.454	ug/l	97
8) Diethyl Ether	2.130	74	24018	48.395	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	48994	49.585	ug/l	98
10) Methyl Iodide	2.453	142	63586	52.043	ug/l #	88
11) Tert butyl alcohol	3.002	59	64608	227.919	ug/l #	86
12) 1,1-Dichloroethene	2.319	96	46060	49.596	ug/l	88
13) Acrolein	2.239	56	43417	240.052	ug/l	100
14) Allyl chloride	2.666	41	63271	50.714	ug/l #	82
15) Acrylonitrile	3.069	53	127294	256.702	ug/l	98
16) Acetone	2.392	43	112313	249.076	ug/l	99
17) Carbon Disulfide	2.514	76	114959	50.349	ug/l	98
18) Methyl Acetate	2.709	43	57423	49.192	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	169065	51.254	ug/l #	90
20) Methylene Chloride	2.788	84	51521	48.614	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	50375	48.955	ug/l	94
22) Diisopropyl ether	3.757	45	129952	49.604	ug/l #	85
23) Vinyl Acetate	3.721	43	569157	258.831	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	87819	50.538	ug/l	98
25) 2-Butanone	4.568	43	170545	255.340	ug/l	91
26) 2,2-Dichloropropane	4.483	77	79748	51.287	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	56804	48.082	ug/l	96
28) Bromochloromethane	4.904	49	32392	51.408	ug/l #	80
29) Tetrahydrofuran	5.013	42	101065	256.292	ug/l #	79
30) Chloroform	5.093	83	101735	53.891	ug/l	100
31) Cyclohexane	5.471	56	72261	49.655	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	93699	50.577	ug/l	98
36) 1,1-Dichloropropene	5.696	75	72378	50.139	ug/l	95
37) Ethyl Acetate	4.715	43	64492	50.360	ug/l	96
38) Carbon Tetrachloride	5.678	117	81634	57.279	ug/l	97
39) Methylcyclohexane	7.385	83	85388	51.791	ug/l	94
40) Benzene	6.038	78	197732	50.423	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	34522	54.861	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	85142	53.030	ug/l	94
43) Isopropyl Acetate	6.342	43	104902	51.955	ug/l #	94
44) Trichloroethene	7.129	130	55255	50.127	ug/l	94
45) 1,2-Dichloropropane	7.434	63	48342	50.161	ug/l	96
46) Dibromomethane	7.586	93	40323	52.765	ug/l	95
47) Bromodichloromethane	7.824	83	79575	53.530	ug/l	100
48) Methyl methacrylate	7.696	41	52019	52.907	ug/l	89
49) 1,4-Dioxane	7.696	88	28696	1057.235	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	325940	263.623	ug/l	91
52) Toluene	8.720	92	132819	51.351	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	86236	55.686	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	90071	54.175	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	54651	51.393	ug/l	97
56) Ethyl methacrylate	9.116	69	86213	55.029	ug/l	91
57) 1,3-Dichloropropane	9.311	76	93505	50.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	189519	256.669	ug/l	91
59) 2-Hexanone	9.433	43	250869	268.312	ug/l	91
60) Dibromochloromethane	9.525	129	60350	55.047	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60288	51.017	ug/l	99
64) Tetrachloroethene	9.275	164	49218	49.640	ug/l	92
65) Chlorobenzene	10.080	112	141431	50.435	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	54505	49.761	ug/l	96
67) Ethyl Benzene	10.195	91	263397	51.831	ug/l	99
68) m/p-Xylenes	10.305	106	196879	104.512	ug/l	90
69) o-Xylene	10.647	106	97664	51.946	ug/l	90
70) Styrene	10.659	104	163664	54.284	ug/l	94
71) Bromoform	10.799	173	41305	56.598	ug/l #	100
73) Isopropylbenzene	10.964	105	260782	52.301	ug/l	96
74) N-amyl acetate	10.842	43	87162	54.908	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	79450	51.044	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81374m	45.568	ug/l	
77) Bromobenzene	11.201	156	56113	51.780	ug/l	94
78) n-propylbenzene	11.305	91	301673	53.078	ug/l	98
79) 2-Chlorotoluene	11.366	91	182721	51.891	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	220647	52.638	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	26329	54.182	ug/l	88
82) 4-Chlorotoluene	11.457	91	212358	52.126	ug/l	94
83) tert-Butylbenzene	11.713	119	212231	51.359	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	217258	53.313	ug/l	94
85) sec-Butylbenzene	11.890	105	267783	52.324	ug/l	96
86) p-Isopropyltoluene	12.012	119	221489	53.571	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	103309	51.294	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	105346	51.893	ug/l	95
89) n-Butylbenzene	12.335	91	201122	56.419	ug/l	97
90) Hexachloroethane	12.543	117	39208	55.192	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	100054	50.657	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21872	51.165	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	64443	55.794	ug/l	97
94) Hexachlorobutadiene	13.725	225	25577	52.148	ug/l	98
95) Naphthalene	13.774	128	248673	54.960	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	63552	54.044	ug/l	96

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

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