

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102722\
 Data File : VX032445.D
 Acq On : 27 Oct 2022 21:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 07:15:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	110556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178270	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79971	52.059	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.120%			
35) Dibromofluoromethane	5.385	113	65000	51.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.653	98	225943	51.099	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.200%			
62) 4-Bromofluorobenzene	11.079	95	87305	50.547	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71268	55.892	ug/l	98
3) Chloromethane	1.294	50	58557	54.303	ug/l	97
4) Vinyl Chloride	1.373	62	65533	55.219	ug/l	99
5) Bromomethane	1.611	94	56141	59.195	ug/l	98
6) Chloroethane	1.684	64	42023	52.782	ug/l	96
7) Trichlorofluoromethane	1.885	101	118397	52.651	ug/l	99
8) Diethyl Ether	2.135	74	37850	51.940	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	61436	51.763	ug/l	98
10) Methyl Iodide	2.452	142	72547	54.765	ug/l	99
11) Tert butyl alcohol	2.971	59	52370	234.229	ug/l	100
12) 1,1-Dichloroethene	2.318	96	57222	51.610	ug/l	93
13) Acrolein	2.233	56	55424	248.309	ug/l	99
14) Allyl chloride	2.666	41	92385	52.272	ug/l	99
15) Acrylonitrile	3.062	53	153441	252.872	ug/l	100
16) Acetone	2.379	43	135209	242.172	ug/l	99
17) Carbon Disulfide	2.513	76	138488	52.441	ug/l	100
18) Methyl Acetate	2.702	43	96614	53.214	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	197938	50.794	ug/l	98
20) Methylene Chloride	2.788	84	64662	50.512	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	61901	51.291	ug/l	99
22) Diisopropyl ether	3.763	45	197465	51.654	ug/l	97
23) Vinyl Acetate	3.721	43	801745	259.584	ug/l	99
24) 1,1-Dichloroethane	3.611	63	115577	52.561	ug/l	98
25) 2-Butanone	4.556	43	213611	246.951	ug/l	99
26) 2,2-Dichloropropane	4.476	77	81187	46.447	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	74565	53.452	ug/l	99
28) Bromochloromethane	4.897	49	40069	51.158	ug/l	100
29) Tetrahydrofuran	5.007	42	139628	253.145	ug/l	99
30) Chloroform	5.098	83	126158	52.286	ug/l	98
31) Cyclohexane	5.470	56	97571	52.386	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	113396	52.372	ug/l	98
36) 1,1-Dichloropropene	5.690	75	88941	50.227	ug/l	100
37) Ethyl Acetate	4.708	43	87648	47.551	ug/l	98
38) Carbon Tetrachloride	5.677	117	98852	50.331	ug/l	99
39) Methylcyclohexane	7.385	83	108806	51.933	ug/l	99
40) Benzene	6.043	78	256589	51.205	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	49492	52.708	ug/l	97
42) 1,2-Dichloroethane	6.092	62	104594	51.061	ug/l	100
43) Isopropyl Acetate	6.342	43	142441	50.331	ug/l	99
44) Trichloroethene	7.128	130	70345	49.867	ug/l	97
45) 1,2-Dichloropropane	7.433	63	65201	50.687	ug/l	98
46) Dibromomethane	7.586	93	49982	50.666	ug/l	98
47) Bromodichloromethane	7.823	83	96409	51.564	ug/l	97
48) Methyl methacrylate	7.695	41	73570	50.334	ug/l	99
49) 1,4-Dioxane	7.683	88	27514	987.750	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	452789	254.003	ug/l	100
52) Toluene	8.720	92	167000	51.080	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	97297	51.003	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	104139	51.039	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	68747	49.930	ug/l	99
56) Ethyl methacrylate	9.116	69	101557	51.255	ug/l	99
57) 1,3-Dichloropropane	9.311	76	113171	50.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	252308	264.457	ug/l	100
59) 2-Hexanone	9.433	43	338014	255.545	ug/l	100
60) Dibromochloromethane	9.524	129	75816	50.414	ug/l	99
61) 1,2-Dibromoethane	9.610	107	74133	50.815	ug/l	99
64) Tetrachloroethene	9.274	164	60001	51.086	ug/l	96
65) Chlorobenzene	10.079	112	181008	50.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	69500	51.373	ug/l	99
67) Ethyl Benzene	10.195	91	330482	51.414	ug/l	100
68) m/p-Xylenes	10.305	106	258126	103.416	ug/l	100
69) o-Xylene	10.640	106	125401	51.673	ug/l	100
70) Styrene	10.658	104	209238	51.879	ug/l	99
71) Bromoform	10.799	173	54419	50.877	ug/l #	99
73) Isopropylbenzene	10.963	105	339916	49.485	ug/l	100
74) N-amyl acetate	10.841	43	131556	50.688	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	106514	48.309	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	96292m	49.930	ug/l	
77) Bromobenzene	11.201	156	81834	48.594	ug/l	99
78) n-propylbenzene	11.305	91	392966	49.654	ug/l	99
79) 2-Chlorotoluene	11.365	91	233870	49.344	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	293803	50.045	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28805	47.528	ug/l	97
82) 4-Chlorotoluene	11.457	91	274865	49.561	ug/l	100
83) tert-Butylbenzene	11.713	119	290657	49.590	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	294312	50.404	ug/l	99
85) sec-Butylbenzene	11.890	105	355438	50.399	ug/l	100
86) p-Isopropyltoluene	12.012	119	304310	50.851	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155877	49.070	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	157082	47.665	ug/l	99
89) n-Butylbenzene	12.335	91	263948	50.699	ug/l	99
90) Hexachloroethane	12.542	117	49642	50.786	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155115	49.522	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	23111	47.806	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	95667	46.842	ug/l	100
94) Hexachlorobutadiene	13.725	225	39549	46.367	ug/l	98
95) Naphthalene	13.774	128	327770	48.164	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97455	46.942	ug/l	99

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

