

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025769.D
 Acq On : 14 Dec 2021 10:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:00:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77467	46.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.420%			
35) Dibromofluoromethane	5.391	113	66312	50.920	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	8.653	98	241117	50.816	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.640%			
62) 4-Bromofluorobenzene	11.079	95	94181	52.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52889	51.308	ug/l	98
3) Chloromethane	1.295	50	65203	48.577	ug/l	98
4) Vinyl Chloride	1.374	62	70236	49.194	ug/l	99
5) Bromomethane	1.599	94	49475	48.531	ug/l	97
6) Chloroethane	1.685	64	47488	45.922	ug/l	96
7) Trichlorofluoromethane	1.886	101	116498	49.398	ug/l	97
8) Diethyl Ether	2.136	74	43406	46.658	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	64115	52.243	ug/l	99
10) Methyl Iodide	2.453	142	70761	45.252	ug/l	99
11) Tert butyl alcohol	2.971	59	67263	202.192	ug/l	100
12) 1,1-Dichloroethene	2.319	96	58770	48.164	ug/l	100
13) Acrolein	2.239	56	51768	227.664	ug/l	97
14) Allyl chloride	2.666	41	104259	46.817	ug/l	100
15) Acrylonitrile	3.062	53	174818	225.105	ug/l	100
16) Acetone	2.380	43	224667	318.870	ug/l	98
17) Carbon Disulfide	2.514	76	172541	49.366	ug/l	99
18) Methyl Acetate	2.703	43	114911	45.462	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	209420	48.592	ug/l	99
20) Methylene Chloride	2.788	84	68220	47.997	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	65515	48.110	ug/l	99
22) Diisopropyl ether	3.764	45	209485	48.495	ug/l	94
23) Vinyl Acetate	3.721	43	835713	250.005	ug/l	99
24) 1,1-Dichloroethane	3.611	63	116338	47.167	ug/l	97
25) 2-Butanone	4.556	43	283543	254.206	ug/l	96
26) 2,2-Dichloropropane	4.477	77	96262	51.455	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	75313	46.643	ug/l	99
28) Bromochloromethane	4.898	49	56929	51.218	ug/l	99
29) Tetrahydrofuran	5.007	42	161733	228.059	ug/l	99
30) Chloroform	5.093	83	127235	47.034	ug/l	98
31) Cyclohexane	5.471	56	105300	52.212	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	113967	48.406	ug/l	99
36) 1,1-Dichloropropene	5.696	75	91259	51.675	ug/l	98
37) Ethyl Acetate	4.715	43	95486	48.665	ug/l	99
38) Carbon Tetrachloride	5.678	117	106107	51.638	ug/l	99
39) Methylcyclohexane	7.385	83	111732	56.543	ug/l	98
40) Benzene	6.038	78	266214	50.533	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52171	48.045	ug/l	98
42) 1,2-Dichloroethane	6.086	62	99630	49.760	ug/l	99
43) Isopropyl Acetate	6.342	43	156565	49.528	ug/l	99
44) Trichloroethene	7.123	130	73582	50.170	ug/l	98
45) 1,2-Dichloropropane	7.434	63	65251	49.142	ug/l	97
46) Dibromomethane	7.580	93	50042	48.410	ug/l	99
47) Bromodichloromethane	7.824	83	102140	50.133	ug/l	97
48) Methyl methacrylate	7.696	41	74980	50.369	ug/l	99
49) 1,4-Dioxane	7.659	88	30090	925.890	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	504474	243.783	ug/l	100
52) Toluene	8.720	92	175499	52.284	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105614	54.384	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	113918	53.612	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	70796	49.182	ug/l	97
56) Ethyl methacrylate	9.116	69	107455	51.978	ug/l	99
57) 1,3-Dichloropropane	9.311	76	117560	49.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	243613	241.806	ug/l	99
59) 2-Hexanone	9.433	43	410248	261.653	ug/l	99
60) Dibromochloromethane	9.525	129	84917	51.976	ug/l	99
61) 1,2-Dibromoethane	9.610	107	78364	50.208	ug/l	100
64) Tetrachloroethene	9.275	164	73082	50.308	ug/l	99
65) Chlorobenzene	10.079	112	190430	50.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	73474	49.564	ug/l	99
67) Ethyl Benzene	10.195	91	336765	52.459	ug/l	98
68) m/p-Xylenes	10.305	106	267393	107.044	ug/l	99
69) o-Xylene	10.646	106	128335	52.224	ug/l	98
70) Styrene	10.659	104	219681	53.723	ug/l	99
71) Bromoform	10.799	173	64725	53.002	ug/l #	100
73) Isopropylbenzene	10.963	105	339690	50.163	ug/l	99
74) N-amyl acetate	10.848	43	133002	48.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	107008	45.340	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	98132m	45.904	ug/l	
77) Bromobenzene	11.201	156	83316	47.966	ug/l	99
78) n-propylbenzene	11.305	91	399637	52.175	ug/l	100
79) 2-Chlorotoluene	11.366	91	236223	48.498	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	289932	51.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34784	50.445	ug/l	100
82) 4-Chlorotoluene	11.457	91	272430	49.948	ug/l	100
83) tert-Butylbenzene	11.719	119	281466	51.129	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	290827	51.837	ug/l	100
85) sec-Butylbenzene	11.890	105	358088	54.118	ug/l	100
86) p-Isopropyltoluene	12.012	119	305264	54.934	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	161173	49.800	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	161887	48.994	ug/l	100
89) n-Butylbenzene	12.335	91	258443	55.755	ug/l	100
90) Hexachloroethane	12.542	117	56954	52.150	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154578	50.014	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24935	47.015	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	89767	48.321	ug/l	98
94) Hexachlorobutadiene	13.725	225	36936	56.182	ug/l	97
95) Naphthalene	13.780	128	310745	48.816	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	91482	49.643	ug/l	98

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

