

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102722\
 Data File : VX032420.D
 Acq On : 27 Oct 2022 11:41
 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 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 07:11:41 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	5.550	168	116966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78335	48.200	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.400%		
35) Dibromofluoromethane	5.385	113	64292	50.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.040%		
50) Toluene-d8	8.647	98	222153	49.704	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.400%		
62) 4-Bromofluorobenzene	11.079	95	90324	51.735	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75630	56.062	ug/l	99
3) Chloromethane	1.294	50	61807	54.175	ug/l	98
4) Vinyl Chloride	1.373	62	68674	54.695	ug/l	99
5) Bromomethane	1.611	94	59805	59.602	ug/l	99
6) Chloroethane	1.684	64	43402	51.526	ug/l	99
7) Trichlorofluoromethane	1.886	101	123628	51.965	ug/l	99
8) Diethyl Ether	2.129	74	39583	51.342	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	65722	52.340	ug/l	99
10) Methyl Iodide	2.453	142	73283	52.375	ug/l	100
11) Tert butyl alcohol	2.977	59	53683	226.943	ug/l	99
12) 1,1-Dichloroethene	2.318	96	60167	51.293	ug/l	97
13) Acrolein	2.233	56	58242	246.634	ug/l	98
14) Allyl chloride	2.666	41	96736	51.734	ug/l	99
15) Acrylonitrile	3.062	53	158483	246.868	ug/l	98
16) Acetone	2.379	43	137273	232.394	ug/l	99
17) Carbon Disulfide	2.513	76	152933	54.737	ug/l	99
18) Methyl Acetate	2.702	43	95564	49.751	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	204095	49.504	ug/l	98
20) Methylene Chloride	2.788	84	67204	49.621	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	64992	50.901	ug/l	97
22) Diisopropyl ether	3.757	45	204799	50.636	ug/l #	88
23) Vinyl Acetate	3.721	43	836218	255.908	ug/l	99
24) 1,1-Dichloroethane	3.611	63	118444	50.913	ug/l	99
25) 2-Butanone	4.556	43	217067	237.194	ug/l	100
26) 2,2-Dichloropropane	4.477	77	95264	51.513	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76670	51.949	ug/l	99
28) Bromochloromethane	4.903	49	41646	50.257	ug/l	100
29) Tetrahydrofuran	5.007	42	139346	238.789	ug/l	99
30) Chloroform	5.092	83	130893	51.276	ug/l	99
31) Cyclohexane	5.470	56	104825	53.196	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	117770	51.411	ug/l	99
36) 1,1-Dichloropropene	5.696	75	93825	52.418	ug/l	99
37) Ethyl Acetate	4.714	43	89483	48.028	ug/l	99
38) Carbon Tetrachloride	5.678	117	106294	53.541	ug/l	99
39) Methylcyclohexane	7.378	83	117249	55.364	ug/l	97
40) Benzene	6.037	78	267097	52.732	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	48694	51.304	ug/l	99
42) 1,2-Dichloroethane	6.086	62	108575	52.438	ug/l	100
43) Isopropyl Acetate	6.342	43	146991	51.383	ug/l	100
44) Trichloroethene	7.122	130	74118	51.980	ug/l	99
45) 1,2-Dichloropropane	7.433	63	68441	52.637	ug/l	100
46) Dibromomethane	7.580	93	51634	51.781	ug/l	98
47) Bromodichloromethane	7.824	83	101140	53.516	ug/l	99
48) Methyl methacrylate	7.689	41	74807	50.633	ug/l	99
49) 1,4-Dioxane	7.677	88	27054	960.850	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	454372	252.165	ug/l	100
52) Toluene	8.720	92	175048	52.970	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	104587	54.238	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	112312	54.456	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	71570	51.425	ug/l	99
56) Ethyl methacrylate	9.116	69	104865	52.359	ug/l	99
57) 1,3-Dichloropropane	9.311	76	116597	51.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	261743	271.412	ug/l	100
59) 2-Hexanone	9.433	43	338949	253.511	ug/l	99
60) Dibromochloromethane	9.518	129	80079	52.679	ug/l	100
61) 1,2-Dibromoethane	9.610	107	76649	51.977	ug/l	100
64) Tetrachloroethene	9.274	164	63057	51.810	ug/l	96
65) Chlorobenzene	10.079	112	191177	51.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	72607	51.793	ug/l	99
67) Ethyl Benzene	10.195	91	347509	52.172	ug/l	100
68) m/p-Xylenes	10.305	106	269391	104.154	ug/l	99
69) o-Xylene	10.640	106	132786	52.803	ug/l	99
70) Styrene	10.658	104	221215	52.931	ug/l	99
71) Bromoform	10.799	173	57536	51.910	ug/l #	98
73) Isopropylbenzene	10.963	105	356547	50.865	ug/l	100
74) N-amyl acetate	10.841	43	134895	50.931	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	109333	48.592	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100264m	50.947	ug/l	
77) Bromobenzene	11.201	156	87478	50.903	ug/l	99
78) n-propylbenzene	11.305	91	415826	51.488	ug/l	100
79) 2-Chlorotoluene	11.366	91	245945	50.850	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	314687	52.527	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31750	51.336	ug/l	99
82) 4-Chlorotoluene	11.457	91	290750	51.374	ug/l	100
83) tert-Butylbenzene	11.713	119	307270	51.373	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	308578	51.787	ug/l	100
85) sec-Butylbenzene	11.890	105	381841	53.056	ug/l	99
86) p-Isopropyltoluene	12.012	119	326182	53.412	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	165407	51.025	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	168082	49.979	ug/l	99
89) n-Butylbenzene	12.335	91	288085	54.225	ug/l	100
90) Hexachloroethane	12.542	117	53837	53.972	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	163276	51.081	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24399	49.458	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	106373	51.039	ug/l	98
94) Hexachlorobutadiene	13.725	225	43733	50.243	ug/l	99
95) Naphthalene	13.774	128	342656	49.341	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	105642	49.864	ug/l	99

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

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