

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034236.D
 Acq On : 22 Feb 2023 18:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 01:31:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	318947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	518423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	480023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	241282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	186639	43.450	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.900%		
35) Dibromofluoromethane	5.385	113	161774	47.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.860%		
50) Toluene-d8	8.647	98	615268	50.769	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.540%		
62) 4-Bromofluorobenzene	11.079	95	241423	52.081	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	137595	49.925	ug/l	99
3) Chloromethane	1.294	50	197738	49.857	ug/l	97
4) Vinyl Chloride	1.374	62	199961	55.361	ug/l	99
5) Bromomethane	1.611	94	96427	73.524	ug/l	99
6) Chloroethane	1.685	64	117456	64.684	ug/l	100
7) Trichlorofluoromethane	1.886	101	298508	61.087	ug/l	97
8) Diethyl Ether	2.130	74	115499	58.668	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	160190	46.548	ug/l	96
10) Methyl Iodide	2.453	142	204276	48.752	ug/l	95
11) Tert butyl alcohol	2.965	59	186511	194.133	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	158159	45.846	ug/l	93
13) Acrolein	2.233	56	90876	207.216	ug/l	100
14) Allyl chloride	2.666	41	307293	41.993	ug/l	90
15) Acrylonitrile	3.062	53	476846	227.517	ug/l	100
16) Acetone	2.380	43	420928	189.966	ug/l	92
17) Carbon Disulfide	2.514	76	423355	42.684	ug/l	99
18) Methyl Acetate	2.703	43	314548	45.877	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	562504	46.200	ug/l	98
20) Methylene Chloride	2.788	84	181791	45.533	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	170545	47.179	ug/l	99
22) Diisopropyl ether	3.757	45	627606	48.921	ug/l	95
23) Vinyl Acetate	3.721	43	2429582	236.375	ug/l	100
24) 1,1-Dichloroethane	3.611	63	323460	45.927	ug/l	100
25) 2-Butanone	4.550	43	690543	215.385	ug/l	100
26) 2,2-Dichloropropane	4.471	77	280273	43.929	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	205641	48.040	ug/l	97
28) Bromochloromethane	4.897	49	142253	45.277	ug/l	89
29) Tetrahydrofuran	5.001	42	445069	227.558	ug/l	99
30) Chloroform	5.092	83	320340	47.368	ug/l	100
31) Cyclohexane	5.470	56	295753	46.117	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	281500	46.433	ug/l	99
36) 1,1-Dichloropropene	5.690	75	239870	48.051	ug/l	99
37) Ethyl Acetate	4.708	43	266551	47.778	ug/l	99
38) Carbon Tetrachloride	5.678	117	247344	48.151	ug/l	96
39) Methylcyclohexane	7.379	83	305910	47.619	ug/l	98
40) Benzene	6.037	78	733522	49.584	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	151690	48.801	ug/l	99
42) 1,2-Dichloroethane	6.086	62	246529	47.383	ug/l	100
43) Isopropyl Acetate	6.336	43	463910	47.121	ug/l	99
44) Trichloroethene	7.123	130	190595	50.205	ug/l	91
45) 1,2-Dichloropropane	7.427	63	194688	49.437	ug/l	100
46) Dibromomethane	7.580	93	126864	48.949	ug/l	90
47) Bromodichloromethane	7.824	83	256132	48.155	ug/l	98
48) Methyl methacrylate	7.690	41	220813	47.255	ug/l	98
49) 1,4-Dioxane	7.677	88	82905	889.504	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	1398894	258.264	ug/l	99
52) Toluene	8.720	92	471367	52.586	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	301790	49.293	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	317549	48.449	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	192065	53.084	ug/l	98
56) Ethyl methacrylate	9.116	69	312320	51.027	ug/l	97
57) 1,3-Dichloropropane	9.305	76	326001	51.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	661474	249.478	ug/l	96
59) 2-Hexanone	9.427	43	1054071	255.349	ug/l	99
60) Dibromochloromethane	9.518	129	206614	51.682	ug/l	100
61) 1,2-Dibromoethane	9.610	107	199072	52.024	ug/l	99
64) Tetrachloroethene	9.275	164	164615	48.589	ug/l	97
65) Chlorobenzene	10.079	112	506651	50.634	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	193179	49.871	ug/l	98
67) Ethyl Benzene	10.195	91	906597	50.433	ug/l	99
68) m/p-Xylenes	10.299	106	708510	102.991	ug/l	96
69) o-Xylene	10.640	106	354274	51.729	ug/l	97
70) Styrene	10.652	104	587163	52.714	ug/l	97
71) Bromoform	10.799	173	152767	48.316	ug/l #	98
73) Isopropylbenzene	10.963	105	910234	49.499	ug/l	100
74) N-amyl acetate	10.841	43	441556	47.796	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	292898	46.570	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	313764m	51.680	ug/l	
77) Bromobenzene	11.195	156	217793	49.216	ug/l	85
78) n-propylbenzene	11.305	91	1081898	50.588	ug/l	97
79) 2-Chlorotoluene	11.366	91	641376	48.909	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	780170	50.463	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	102669	43.441	ug/l	92
82) 4-Chlorotoluene	11.451	91	756692	50.662	ug/l	96
83) tert-Butylbenzene	11.713	119	792496	50.050	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	779415	49.860	ug/l	98
85) sec-Butylbenzene	11.890	105	986491	51.303	ug/l	97
86) p-Isopropyltoluene	12.012	119	813359	51.111	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	412060	49.651	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	419434	50.106	ug/l	97
89) n-Butylbenzene	12.335	91	724681	51.129	ug/l	98
90) Hexachloroethane	12.536	117	157867	47.447	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	401655	49.465	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62028	41.357	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	254661	48.850	ug/l	98
94) Hexachlorobutadiene	13.725	225	100792	46.639	ug/l	99
95) Naphthalene	13.774	128	838401	47.741	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	250666	48.433	ug/l	99

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

