

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022323\
 Data File : VX034238.D
 Acq On : 23 Feb 2023 10:26
 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 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 21:37:49 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	5.544	168	321795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	521302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	467298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	241234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	204537	47.196	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.400%		
35) Dibromofluoromethane	5.379	113	174577	51.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.860%		
50) Toluene-d8	8.647	98	644552	52.892	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.780%		
62) 4-Bromofluorobenzene	11.079	95	255693	54.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	139573	50.194	ug/l	98
3) Chloromethane	1.301	50	196831	49.189	ug/l	99
4) Vinyl Chloride	1.374	62	197256	54.128	ug/l	99
5) Bromomethane	1.599	94	92606	69.621	ug/l	98
6) Chloroethane	1.685	64	110314	60.213	ug/l	100
7) Trichlorofluoromethane	1.886	101	290463	58.914	ug/l	97
8) Diethyl Ether	2.130	74	112402	56.590	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	167258	48.172	ug/l	95
10) Methyl Iodide	2.453	142	203938	48.240	ug/l	93
11) Tert butyl alcohol	2.953	59	210408	217.069	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	161362	46.361	ug/l	94
13) Acrolein	2.233	56	104299	235.718	ug/l	100
14) Allyl chloride	2.660	41	331752	44.934	ug/l	89
15) Acrylonitrile	3.056	53	523917	247.764	ug/l	99
16) Acetone	2.373	43	489531	218.971	ug/l	91
17) Carbon Disulfide	2.508	76	432492	43.219	ug/l	99
18) Methyl Acetate	2.697	43	342268	49.479	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	615989	50.145	ug/l	97
20) Methylene Chloride	2.788	84	188195	46.720	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	178299	48.887	ug/l	94
22) Diisopropyl ether	3.757	45	693134	53.550	ug/l	89
23) Vinyl Acetate	3.715	43	2701491	260.503	ug/l	100
24) 1,1-Dichloroethane	3.605	63	345965	48.688	ug/l	99
25) 2-Butanone	4.544	43	766337	236.910	ug/l	99
26) 2,2-Dichloropropane	4.471	77	296127	46.003	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	215938	49.999	ug/l	96
28) Bromochloromethane	4.897	49	159642	50.362	ug/l	87
29) Tetrahydrofuran	4.995	42	487274	246.932	ug/l	98
30) Chloroform	5.086	83	343829	50.391	ug/l	100
31) Cyclohexane	5.464	56	314121	48.547	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	298128	48.741	ug/l	98
36) 1,1-Dichloropropene	5.690	75	253425	50.486	ug/l	98
37) Ethyl Acetate	4.702	43	293301	52.282	ug/l	100
38) Carbon Tetrachloride	5.672	117	257741	49.898	ug/l	98
39) Methylcyclohexane	7.379	83	325894	50.450	ug/l	98
40) Benzene	6.031	78	769955	51.760	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	166113	53.146	ug/l	98
42) 1,2-Dichloroethane	6.080	62	268486	51.318	ug/l	100
43) Isopropyl Acetate	6.336	43	513768	51.897	ug/l	99
44) Trichloroethene	7.123	130	197665	51.780	ug/l	93
45) 1,2-Dichloropropane	7.427	63	205963	52.011	ug/l	97
46) Dibromomethane	7.580	93	138538	53.158	ug/l	87
47) Bromodichloromethane	7.818	83	275807	51.568	ug/l	99
48) Methyl methacrylate	7.690	41	240871	51.263	ug/l	98
49) 1,4-Dioxane	7.653	88	94194	1005.044	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	1504758	276.275	ug/l	99
52) Toluene	8.714	92	487845	54.124	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	328634	53.381	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	341485	51.813	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	201788	55.463	ug/l	98
56) Ethyl methacrylate	9.116	69	335502	54.511	ug/l	97
57) 1,3-Dichloropropane	9.305	76	343841	54.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	749060	280.951	ug/l	95
59) 2-Hexanone	9.427	43	1136604	273.822	ug/l	98
60) Dibromochloromethane	9.519	129	221751	55.162	ug/l	100
61) 1,2-Dibromoethane	9.610	107	213360	55.450	ug/l	98
64) Tetrachloroethene	9.275	164	168099	50.969	ug/l	95
65) Chlorobenzene	10.079	112	518323	53.211	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	196980	52.237	ug/l	98
67) Ethyl Benzene	10.189	91	935136	53.437	ug/l	97
68) m/p-Xylenes	10.299	106	725840	108.383	ug/l	95
69) o-Xylene	10.640	106	361666	54.246	ug/l	96
70) Styrene	10.652	104	609288	56.190	ug/l	96
71) Bromoform	10.799	173	168126	54.621	ug/l #	99
73) Isopropylbenzene	10.963	105	931614	50.672	ug/l	100
74) N-amyl acetate	10.841	43	471243	51.020	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	321435	51.117	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	265394m	43.721	ug/l	
77) Bromobenzene	11.195	156	226446	51.182	ug/l	83
78) n-propylbenzene	11.305	91	1113673	52.084	ug/l	98
79) 2-Chlorotoluene	11.366	91	666970	50.871	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	789321	51.065	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	114921	48.635	ug/l	91
82) 4-Chlorotoluene	11.451	91	774493	51.864	ug/l	96
83) tert-Butylbenzene	11.713	119	795843	50.271	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	803190	51.391	ug/l	97
85) sec-Butylbenzene	11.890	105	1001187	52.078	ug/l	98
86) p-Isopropyltoluene	12.006	119	843156	52.994	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	433507	52.245	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	438107	52.347	ug/l	97
89) n-Butylbenzene	12.329	91	757857	53.480	ug/l	98
90) Hexachloroethane	12.536	117	166163	49.950	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	422403	52.030	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	70453	46.984	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	272848	52.349	ug/l	98
94) Hexachlorobutadiene	13.725	225	109665	50.754	ug/l	99
95) Naphthalene	13.774	128	894430	50.941	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	267283	51.654	ug/l	98

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

