

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020723\
 Data File : VX034051.D
 Acq On : 07 Feb 2023 00:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

Quant Time: Feb 07 02:53:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	140669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	196231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62189	45.858	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.720%		
35) Dibromofluoromethane	5.385	113	57531	46.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.140%		
50) Toluene-d8	8.647	98	205846	45.747	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.500%#		
62) 4-Bromofluorobenzene	11.079	95	78334	48.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	55866	48.855	ug/l	100
3) Chloromethane	1.294	50	52544	48.692	ug/l	97
4) Vinyl Chloride	1.374	62	51132	45.245	ug/l	99
5) Bromomethane	1.599	94	29477	50.652	ug/l	96
6) Chloroethane	1.685	64	30171	48.279	ug/l	97
7) Trichlorofluoromethane	1.886	101	86957	48.360	ug/l	97
8) Diethyl Ether	2.130	74	28490	46.066	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	54368	45.288	ug/l	92
10) Methyl Iodide	2.453	142	81823	48.109	ug/l	94
11) Tert butyl alcohol	2.947	59	48760	256.637	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	53325	46.299	ug/l	91
13) Acrolein	2.233	56	59644	234.051	ug/l	99
14) Allyl chloride	2.666	41	85144	45.340	ug/l	91
15) Acrylonitrile	3.056	53	141860	232.763	ug/l	99
16) Acetone	2.374	43	117049	204.356	ug/l	92
17) Carbon Disulfide	2.514	76	131026	44.838	ug/l	99
18) Methyl Acetate	2.697	43	84068	47.184	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	168055	47.317	ug/l	99
20) Methylene Chloride	2.788	84	59431	45.354	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	57766	46.048	ug/l	94
22) Diisopropyl ether	3.757	45	170494	46.007	ug/l	92
23) Vinyl Acetate	3.715	43	658592	233.380	ug/l	98
24) 1,1-Dichloroethane	3.611	63	99368	46.519	ug/l	98
25) 2-Butanone	4.550	43	187384	224.675	ug/l	94
26) 2,2-Dichloropropane	4.477	77	66379	42.601	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	67017	46.444	ug/l	96
28) Bromochloromethane	4.898	49	43929	46.776	ug/l	88
29) Tetrahydrofuran	4.995	42	122050	230.088	ug/l	93
30) Chloroform	5.093	83	105986	47.608	ug/l	98
31) Cyclohexane	5.471	56	89779	45.460	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	93331	48.680	ug/l	98
36) 1,1-Dichloropropene	5.690	75	77998	45.552	ug/l	98
37) Ethyl Acetate	4.708	43	73818	46.278	ug/l	98
38) Carbon Tetrachloride	5.678	117	86612	47.427	ug/l	97
39) Methylcyclohexane	7.379	83	97719	45.338	ug/l	95
40) Benzene	6.038	78	230825	46.591	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	41892	46.668	ug/l	95
42) 1,2-Dichloroethane	6.086	62	81971	48.691	ug/l	99
43) Isopropyl Acetate	6.336	43	118018	47.442	ug/l	97
44) Trichloroethene	7.123	130	71888	47.212	ug/l	98
45) 1,2-Dichloropropane	7.428	63	57372	46.903	ug/l	98
46) Dibromomethane	7.580	93	42531	48.532	ug/l	95
47) Bromodichloromethane	7.824	83	81320	48.970	ug/l #	95
48) Methyl methacrylate	7.690	41	61729	48.061	ug/l	94
49) 1,4-Dioxane	7.659	88	26468	1070.591	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	379852	243.438	ug/l	97
52) Toluene	8.720	92	152155	47.389	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	82039	49.145	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90360	47.577	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	62418	48.670	ug/l	98
56) Ethyl methacrylate	9.116	69	90028	50.261	ug/l	95
57) 1,3-Dichloropropane	9.305	76	100590	48.014	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	197123	236.531	ug/l	96
59) 2-Hexanone	9.427	43	283260	248.063	ug/l	97
60) Dibromochloromethane	9.519	129	72016	50.667	ug/l	98
61) 1,2-Dibromoethane	9.610	107	66640	48.324	ug/l	96
64) Tetrachloroethene	9.275	164	66813	45.052	ug/l	97
65) Chlorobenzene	10.079	112	174994	47.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	66880	48.250	ug/l	98
67) Ethyl Benzene	10.195	91	298273	48.042	ug/l	99
68) m/p-Xylenes	10.299	106	237929	95.874	ug/l	100
69) o-Xylene	10.640	106	115905	48.629	ug/l	98
70) Styrene	10.653	104	194865	49.640	ug/l	99
71) Bromoform	10.799	173	58363	51.619	ug/l #	99
73) Isopropylbenzene	10.963	105	306514	47.386	ug/l	99
74) N-amyl acetate	10.842	43	105165	49.352	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	90829	46.669	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82814m	49.831	ug/l	
77) Bromobenzene	11.195	156	85532	47.686	ug/l	97
78) n-propylbenzene	11.305	91	337591	47.202	ug/l	99
79) 2-Chlorotoluene	11.366	91	206666	47.723	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	257985	47.916	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24616	45.616	ug/l	98
82) 4-Chlorotoluene	11.451	91	232993	47.570	ug/l	98
83) tert-Butylbenzene	11.713	119	265525	47.735	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	261168	48.553	ug/l	99
85) sec-Butylbenzene	11.890	105	315274	47.372	ug/l	99
86) p-Isopropyltoluene	12.006	119	280051	47.977	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155100	47.125	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155164	46.436	ug/l	100
89) n-Butylbenzene	12.329	91	218294	47.699	ug/l	99
90) Hexachloroethane	12.536	117	45086	49.064	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	151741	47.273	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18775	49.058	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	109166	48.134	ug/l	98
94) Hexachlorobutadiene	13.725	225	50394	44.890	ug/l	99
95) Naphthalene	13.774	128	307250	49.308	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106362	46.688	ug/l	100

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

