

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010824\
 Data File : VX039652.D
 Acq On : 08 Jan 2024 09:09
 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 01/09/2024
 Supervised By : Mahesh Dadoda 01/09/2024

Quant Time: Jan 09 04:29:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	102108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	184075	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	169546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86047	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	93225	49.838	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.680%
35) Dibromofluoromethane	5.379	113	68903	54.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.360%
50) Toluene-d8	8.647	98	250595	53.079	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.160%
62) 4-Bromofluorobenzene	11.079	95	101129	51.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68760	47.923	ug/l	96
3) Chloromethane	1.294	50	75903	47.718	ug/l	97
4) Vinyl Chloride	1.374	62	74723	50.511	ug/l	100
5) Bromomethane	1.599	94	46479	54.610	ug/l	99
6) Chloroethane	1.684	64	45161	50.658	ug/l	95
7) Trichlorofluoromethane	1.886	101	112081	51.741	ug/l	98
8) Diethyl Ether	2.129	74	41857	55.830	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	67967	51.416	ug/l	97
10) Methyl Iodide	2.453	142	67021	49.051	ug/l	94
11) Tert butyl alcohol	2.953	59	100248	213.418	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	64419	49.060	ug/l	93
13) Acrolein	2.233	56	80419	214.605	ug/l	100
14) Allyl chloride	2.660	41	130415	49.029	ug/l	97
15) Acrylonitrile	3.056	53	239635	254.873	ug/l	99
16) Acetone	2.373	43	334976	315.600	ug/l	96
17) Carbon Disulfide	2.507	76	168883	43.951	ug/l	98
18) Methyl Acetate	2.696	43	223341	55.202	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	241808	50.920	ug/l	97
20) Methylene Chloride	2.788	84	77865	49.935	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	70096	49.059	ug/l	98
22) Diisopropyl ether	3.751	45	256637	53.002	ug/l	92
23) Vinyl Acetate	3.715	43	923694	256.245	ug/l	99
24) 1,1-Dichloroethane	3.605	63	138707	50.677	ug/l	98
25) 2-Butanone	4.544	43	381532	236.369	ug/l	100
26) 2,2-Dichloropropane	4.471	77	117668	49.242	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	82028	52.014	ug/l	100
28) Bromochloromethane	4.891	49	75653	56.647	ug/l	95
29) Tetrahydrofuran	4.989	42	222441	249.541	ug/l	98
30) Chloroform	5.086	83	141248	51.640	ug/l	99
31) Cyclohexane	5.464	56	116997	48.426	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	120141	50.596	ug/l	98
36) 1,1-Dichloropropene	5.684	75	100829	50.245	ug/l	99
37) Ethyl Acetate	4.702	43	126687	51.099	ug/l	99
38) Carbon Tetrachloride	5.665	117	98694	51.535	ug/l	97
39) Methylcyclohexane	7.372	83	123276	51.141	ug/l	99
40) Benzene	6.031	78	295512	52.058	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	70102	52.995	ug/l	97
42) 1,2-Dichloroethane	6.080	62	116974	50.906	ug/l	99
43) Isopropyl Acetate	6.330	43	208273	51.660	ug/l	99
44) Trichloroethene	7.116	130	72305	50.476	ug/l	93
45) 1,2-Dichloropropane	7.421	63	82639	54.243	ug/l	99
46) Dibromomethane	7.574	93	55812	52.115	ug/l	96
47) Bromodichloromethane	7.817	83	111483	54.444	ug/l	98
48) Methyl methacrylate	7.683	41	123478	52.389	ug/l	96
49) 1,4-Dioxane	7.653	88	33466	1053.367	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	678177	264.013	ug/l	99
52) Toluene	8.714	92	180167	52.585	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	119448	52.985	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	129132	53.236	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	77047	53.865	ug/l	95
56) Ethyl methacrylate	9.110	69	97988	56.117	ug/l	97
57) 1,3-Dichloropropane	9.305	76	131109	53.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291535	284.337	ug/l	94
59) 2-Hexanone	9.427	43	570590	257.381	ug/l	99
60) Dibromochloromethane	9.518	129	80439	55.606	ug/l	100
61) 1,2-Dibromoethane	9.604	107	81594	53.436	ug/l	100
64) Tetrachloroethene	9.268	164	56084	50.621	ug/l	94
65) Chlorobenzene	10.073	112	190124	51.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	71374	54.602	ug/l	98
67) Ethyl Benzene	10.189	91	364812	52.959	ug/l	97
68) m/p-Xylenes	10.299	106	261704	105.959	ug/l	95
69) o-Xylene	10.640	106	127500	53.391	ug/l	94
70) Styrene	10.652	104	191651	54.897	ug/l	97
71) Bromoform	10.799	173	55562	57.184	ug/l #	99
73) Isopropylbenzene	10.957	105	351761	52.985	ug/l	100
74) N-amyl acetate	10.841	43	180352	53.693	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	132352	53.590	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	113068m	50.790	ug/l	
77) Bromobenzene	11.195	156	77152	52.553	ug/l	93
78) n-propylbenzene	11.305	91	434015	53.060	ug/l	98
79) 2-Chlorotoluene	11.360	91	253019	51.139	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	302304	53.452	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	39641	50.233	ug/l	94
82) 4-Chlorotoluene	11.451	91	298791	51.416	ug/l	98
83) tert-Butylbenzene	11.713	119	289308	53.750	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	305566	52.685	ug/l	99
85) sec-Butylbenzene	11.890	105	373852	54.584	ug/l	98
86) p-Isopropyltoluene	12.006	119	313357	54.516	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	150528	52.191	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	153713	51.186	ug/l	99
89) n-Butylbenzene	12.329	91	317287	56.152	ug/l	96
90) Hexachloroethane	12.536	117	59082	56.902	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	145339	52.666	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32855	50.507	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	97736	54.087	ug/l	97
94) Hexachlorobutadiene	13.725	225	39544	58.069	ug/l	99
95) Naphthalene	13.774	128	339755	53.989	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93863	53.807	ug/l	98

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

