

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039852.D
 Acq On : 19 Jan 2024 20:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/22/2024
 Supervised By : Mahesh Dadoda 01/22/2024

Quant Time: Jan 20 03:24:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	57198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	115351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68558	71.552	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 143.100%#			
35) Dibromofluoromethane	5.379	113	47902	61.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 123.300%			
50) Toluene-d8	8.647	98	139412	47.576	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	11.079	95	55421	48.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	18734	25.315	ug/l	95
3) Chloromethane	1.295	50	44903	53.130	ug/l	98
4) Vinyl Chloride	1.374	62	35505	44.514	ug/l	100
5) Bromomethane	1.599	94	30734	67.532	ug/l	99
6) Chloroethane	1.685	64	26302	58.007	ug/l	98
7) Trichlorofluoromethane	1.886	101	41207	35.814	ug/l	99
8) Diethyl Ether	2.130	74	30464	71.645	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	21553	30.215	ug/l	99
10) Methyl Iodide	2.453	142	50222	66.738	ug/l	94
11) Tert butyl alcohol	2.959	59	87651	351.426	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	31233	45.369	ug/l	94
13) Acrolein	2.233	56	52595	348.883	ug/l	99
14) Allyl chloride	2.660	41	80537	59.439	ug/l	97
15) Acrylonitrile	3.063	53	189929	368.648	ug/l	98
16) Acetone	2.374	43	178280	330.848	ug/l	93
17) Carbon Disulfide	2.508	76	85588	43.255	ug/l	99
18) Methyl Acetate	2.697	43	89138	79.069	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	177052	72.443	ug/l	99
20) Methylene Chloride	2.788	84	54094	66.367	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	39516	54.545	ug/l	96
22) Diisopropyl ether	3.758	45	176076	68.096	ug/l	99
23) Vinyl Acetate	3.721	43	868686	361.417	ug/l	99
24) 1,1-Dichloroethane	3.611	63	88065	61.909	ug/l	98
25) 2-Butanone	4.550	43	281958	364.111	ug/l	100
26) 2,2-Dichloropropane	4.477	77	52151	45.679	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	52053	62.645	ug/l	97
28) Bromochloromethane	4.891	49	45515	70.587	ug/l	98
29) Tetrahydrofuran	4.995	42	183428	368.018	ug/l	99
30) Chloroform	5.093	83	91500	65.159	ug/l	97
31) Cyclohexane	5.471	56	35891	28.383	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	60830	50.598	ug/l	98
36) 1,1-Dichloropropene	5.690	75	44395	36.710	ug/l	98
37) Ethyl Acetate	4.709	43	104355	64.682	ug/l	99
38) Carbon Tetrachloride	5.672	117	41814	37.751	ug/l	93
39) Methylcyclohexane	7.379	83	35792	24.647	ug/l	100
40) Benzene	6.038	78	175263	51.181	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53192	67.422	ug/l	93
42) 1,2-Dichloroethane	6.080	62	83892	64.438	ug/l	99
43) Isopropyl Acetate	6.336	43	155878	65.863	ug/l	99
44) Trichloroethene	7.123	130	37438	44.609	ug/l	99
45) 1,2-Dichloropropane	7.428	63	53224	57.939	ug/l	99
46) Dibromomethane	7.580	93	40604	63.994	ug/l	99
47) Bromodichloromethane	7.818	83	72999	62.120	ug/l	98
48) Methyl methacrylate	7.690	41	76378	65.655	ug/l	94
49) 1,4-Dioxane	7.653	88	31417	1395.703	ug/l #	93
51) 4-Methyl-2-Pentanone	8.568	43	546576	335.327	ug/l	97
52) Toluene	8.714	92	95981	46.926	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	76074	61.008	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	78945	57.577	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	55064	63.232	ug/l	96
56) Ethyl methacrylate	9.116	69	92489	65.622	ug/l	97
57) 1,3-Dichloropropane	9.305	76	92632	62.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	207518	311.497	ug/l	95
59) 2-Hexanone	9.427	43	436951	338.712	ug/l	98
60) Dibromochloromethane	9.519	129	54353	66.184	ug/l	100
61) 1,2-Dibromoethane	9.610	107	58810	65.214	ug/l	99
64) Tetrachloroethene	9.275	164	25074	37.296	ug/l	98
65) Chlorobenzene	10.080	112	103290	47.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	42870	58.471	ug/l	99
67) Ethyl Benzene	10.189	91	164162	41.065	ug/l	97
68) m/p-Xylenes	10.299	106	121264	82.483	ug/l	96
69) o-Xylene	10.640	106	65530	45.008	ug/l	95
70) Styrene	10.653	104	114598	48.184	ug/l	99
71) Bromoform	10.799	173	38019	69.058	ug/l #	100
73) Isopropylbenzene	10.964	105	143904	38.162	ug/l	100
74) N-amyl acetate	10.842	43	134246	68.298	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	96000	66.670	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82734m	67.377	ug/l	
77) Bromobenzene	11.195	156	43758	52.118	ug/l	96
78) n-propylbenzene	11.305	91	169051	37.040	ug/l	97
79) 2-Chlorotoluene	11.360	91	116966	41.465	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130177	40.647	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	24826	59.214	ug/l	99
82) 4-Chlorotoluene	11.451	91	137264	42.900	ug/l	99
83) tert-Butylbenzene	11.713	119	122075	39.925	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	136050	42.580	ug/l	99
85) sec-Butylbenzene	11.890	105	140635	35.432	ug/l	99
86) p-Isopropyltoluene	12.006	119	118504	37.357	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	76418	47.482	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	76694	46.139	ug/l	97
89) n-Butylbenzene	12.329	91	110252	35.984	ug/l	94
90) Hexachloroethane	12.536	117	19890	37.166	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	81715	51.357	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25064	71.034	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	49264	50.665	ug/l	96
94) Hexachlorobutadiene	13.725	225	14618	36.165	ug/l	98
95) Naphthalene	13.774	128	223751	62.508	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	51591	52.572	ug/l	99

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

