

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044174.D
 Acq On : 09 Dec 2024 09:42
 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 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:35:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	128814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	227273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97559	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	112526	50.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.860%
35) Dibromofluoromethane	5.379	113	83604	51.481	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	8.647	98	273781	48.907	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.820%
62) 4-Bromofluorobenzene	11.079	95	102733	53.924	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	78580	48.153	ug/l	97
3) Chloromethane	1.294	50	83460	48.602	ug/l	96
4) Vinyl Chloride	1.374	62	93235	51.045	ug/l	99
5) Bromomethane	1.593	94	63602	56.604	ug/l	92
6) Chloroethane	1.666	64	64433	57.893	ug/l	99
7) Trichlorofluoromethane	1.867	101	209538	64.166	ug/l	96
8) Diethyl Ether	2.130	74	64292	54.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	86497	55.529	ug/l	98
10) Methyl Iodide	2.441	142	107473	55.244	ug/l	97
11) Tert butyl alcohol	2.995	59	88996	250.958	ug/l	97
12) 1,1-Dichloroethene	2.306	96	79228	53.377	ug/l	95
13) Acrolein	2.233	56	68156	182.338	ug/l	97
14) Allyl chloride	2.654	41	135908	56.036	ug/l	96
15) Acrylonitrile	3.062	53	235606	272.630	ug/l	100
16) Acetone	2.386	43	292184	287.937	ug/l	99
17) Carbon Disulfide	2.502	76	157658	51.493	ug/l	99
18) Methyl Acetate	2.703	43	127089	53.780	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313920	58.247	ug/l	99
20) Methylene Chloride	2.782	84	90343	52.463	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	82587	53.892	ug/l	95
22) Diisopropyl ether	3.757	45	296776	57.225	ug/l	99
23) Vinyl Acetate	3.715	43	1293362	291.530	ug/l	99
24) 1,1-Dichloroethane	3.599	63	167492	55.983	ug/l	99
25) 2-Butanone	4.556	43	372003	284.114	ug/l	99
26) 2,2-Dichloropropane	4.465	77	154976	57.356	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	103955	54.879	ug/l	98
28) Bromochloromethane	4.891	49	61976	47.061	ug/l	97
29) Tetrahydrofuran	5.001	42	213725	266.254	ug/l	99
30) Chloroform	5.080	83	180181	55.994	ug/l	97
31) Cyclohexane	5.458	56	130877	53.150	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	165489	59.637	ug/l	99
36) 1,1-Dichloropropene	5.684	75	113848	56.258	ug/l	98
37) Ethyl Acetate	4.708	43	141102	56.170	ug/l	97
38) Carbon Tetrachloride	5.666	117	134573	59.182	ug/l	99
39) Methylcyclohexane	7.373	83	147558	56.127	ug/l	96
40) Benzene	6.025	78	344158	54.597	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	71068	55.276	ug/l	93
42) 1,2-Dichloroethane	6.074	62	144654	57.138	ug/l	100
43) Isopropyl Acetate	6.336	43	229745	57.468	ug/l	99
44) Trichloroethene	7.117	130	86553	48.503	ug/l	91
45) 1,2-Dichloropropane	7.421	63	88451	57.290	ug/l	96
46) Dibromomethane	7.574	93	70569	57.782	ug/l	99
47) Bromodichloromethane	7.818	83	136522	62.329	ug/l	100
48) Methyl methacrylate	7.690	41	108338	56.476	ug/l	99
49) 1,4-Dioxane	7.659	88	25573	748.393	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	711641	291.699	ug/l	99
52) Toluene	8.714	92	215112	57.015	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	135167	60.514	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	146180	59.699	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	88864	57.058	ug/l	98
56) Ethyl methacrylate	9.116	69	146127	60.237	ug/l	98
57) 1,3-Dichloropropane	9.305	76	153530	58.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	362299	272.768	ug/l	100
59) 2-Hexanone	9.427	43	543380	296.330	ug/l	99
60) Dibromochloromethane	9.519	129	98737	63.187	ug/l	97
61) 1,2-Dibromoethane	9.604	107	92681	58.852	ug/l	99
64) Tetrachloroethene	9.269	164	73287	56.432	ug/l	97
65) Chlorobenzene	10.073	112	237896	54.997	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	85186	60.723	ug/l	98
67) Ethyl Benzene	10.189	91	427705	58.352	ug/l	98
68) m/p-Xylenes	10.299	106	315039	115.254	ug/l	97
69) o-Xylene	10.640	106	158561	59.412	ug/l	98
70) Styrene	10.652	104	264223	59.859	ug/l	98
71) Bromoform	10.799	173	61264	56.868	ug/l #	97
73) Isopropylbenzene	10.957	105	413444	55.131	ug/l	100
74) N-amyl acetate	10.841	43	196483	56.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	136043	52.980	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	117911m	55.113	ug/l	
77) Bromobenzene	11.195	156	97626	54.572	ug/l	98
78) n-propylbenzene	11.299	91	481969	57.544	ug/l	98
79) 2-Chlorotoluene	11.360	91	288045	54.387	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	345791	56.047	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42472	54.171	ug/l	95
82) 4-Chlorotoluene	11.451	91	333051	55.701	ug/l	100
83) tert-Butylbenzene	11.713	119	353753	57.848	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	351113	57.161	ug/l	99
85) sec-Butylbenzene	11.890	105	431266	57.559	ug/l	100
86) p-Isopropyltoluene	12.006	119	364608	59.908	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	178533	54.794	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	179485	54.031	ug/l	97
89) n-Butylbenzene	12.329	91	328165	61.157	ug/l	99
90) Hexachloroethane	12.536	117	60642	58.597	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	180867	55.006	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30602	59.476	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108534	55.987	ug/l	100
94) Hexachlorobutadiene	13.719	225	43419	56.671	ug/l	98
95) Naphthalene	13.774	128	405265	58.075	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	110149	56.138	ug/l	96

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

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