

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044217.D
 Acq On : 10 Dec 2024 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:40:57 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	5.544	168	127138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116097	53.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.480%
35) Dibromofluoromethane	5.385	113	85094	49.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.240%
50) Toluene-d8	8.647	98	281415	47.129	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.260%
62) 4-Bromofluorobenzene	11.079	95	103646	51.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	63111	39.184	ug/l	100
3) Chloromethane	1.294	50	71958	42.456	ug/l	96
4) Vinyl Chloride	1.374	62	78335	43.453	ug/l	94
5) Bromomethane	1.593	94	56062	50.551	ug/l	99
6) Chloroethane	1.660	64	52880	48.139	ug/l	96
7) Trichlorofluoromethane	1.861	101	163545	50.742	ug/l	99
8) Diethyl Ether	2.136	74	60579	51.568	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	70620	45.934	ug/l	97
10) Methyl Iodide	2.441	142	94218	49.069	ug/l	97
11) Tert butyl alcohol	3.001	59	84514	241.461	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66238	45.214	ug/l	100
13) Acrolein	2.239	56	97940	265.473	ug/l	98
14) Allyl chloride	2.654	41	119802	50.047	ug/l	97
15) Acrylonitrile	3.069	53	227176	266.340	ug/l	99
16) Acetone	2.392	43	226673	226.323	ug/l	99
17) Carbon Disulfide	2.495	76	107012	35.412	ug/l	98
18) Methyl Acetate	2.709	43	126300	54.151	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	288178	54.175	ug/l	99
20) Methylene Chloride	2.782	84	82748	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	71058	46.980	ug/l	98
22) Diisopropyl ether	3.764	45	270141	52.775	ug/l	95
23) Vinyl Acetate	3.721	43	1168321	266.817	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151815	51.412	ug/l	98
25) 2-Butanone	4.568	43	342634	265.133	ug/l	100
26) 2,2-Dichloropropane	4.465	77	124266	46.597	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94599	50.598	ug/l	100
28) Bromochloromethane	4.897	49	58950	45.353	ug/l	99
29) Tetrahydrofuran	5.007	42	213397	269.350	ug/l	99
30) Chloroform	5.093	83	167120	52.620	ug/l	92
31) Cyclohexane	5.458	56	108328	44.572	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	143108	52.251	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99283	45.995	ug/l	99
37) Ethyl Acetate	4.721	43	132767	49.549	ug/l	100
38) Carbon Tetrachloride	5.672	117	113013	46.595	ug/l	98
39) Methylcyclohexane	7.373	83	119528	42.624	ug/l	95
40) Benzene	6.031	78	312174	46.428	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69589	50.743	ug/l	95
42) 1,2-Dichloroethane	6.086	62	133086	49.283	ug/l	100
43) Isopropyl Acetate	6.342	43	217997	51.122	ug/l	100
44) Trichloroethene	7.123	130	76272	40.071	ug/l	97
45) 1,2-Dichloropropane	7.427	63	81383	49.418	ug/l	95
46) Dibromomethane	7.580	93	65788	50.501	ug/l	96
47) Bromodichloromethane	7.824	83	120375	51.522	ug/l	97
48) Methyl methacrylate	7.696	41	102462	50.075	ug/l	98
49) 1,4-Dioxane	7.665	88	30858	846.622	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	719431	276.463	ug/l	99
52) Toluene	8.714	92	197647	49.112	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120376	50.525	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	129505	49.583	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	84764	51.024	ug/l	99
56) Ethyl methacrylate	9.116	69	138164	53.395	ug/l	98
57) 1,3-Dichloropropane	9.305	76	141482	50.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	332302	234.142	ug/l	98
59) 2-Hexanone	9.433	43	538686	275.412	ug/l	99
60) Dibromochloromethane	9.519	129	86855	52.109	ug/l	99
61) 1,2-Dibromoethane	9.610	107	87795	52.266	ug/l	100
64) Tetrachloroethene	9.269	164	64579	46.869	ug/l	97
65) Chlorobenzene	10.079	112	224152	48.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	77524	52.085	ug/l	99
67) Ethyl Benzene	10.195	91	389963	50.145	ug/l	100
68) m/p-Xylenes	10.299	106	286729	98.868	ug/l	98
69) o-Xylene	10.640	106	145887	51.522	ug/l	98
70) Styrene	10.653	104	245812	52.487	ug/l	99
71) Bromoform	10.799	173	53014	47.096	ug/l #	97
73) Isopropylbenzene	10.963	105	377517	49.169	ug/l	100
74) N-amyl acetate	10.842	43	192555	54.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	134002	50.971	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	112114m	51.183	ug/l	
77) Bromobenzene	11.195	156	88361	48.243	ug/l	98
78) n-propylbenzene	11.305	91	424053	49.451	ug/l	100
79) 2-Chlorotoluene	11.360	91	264885	48.850	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	318691	50.452	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35508	44.234	ug/l	93
82) 4-Chlorotoluene	11.451	91	302591	49.428	ug/l	99
83) tert-Butylbenzene	11.713	119	316761	50.593	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	316576	50.339	ug/l	98
85) sec-Butylbenzene	11.890	105	386295	50.357	ug/l	100
86) p-Isopropyltoluene	12.006	119	318368	51.093	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	162593	48.740	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	159770	46.977	ug/l	98
89) n-Butylbenzene	12.329	91	276773	50.379	ug/l	100
90) Hexachloroethane	12.536	117	49566	46.780	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	164195	48.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27997	53.147	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	95471	48.102	ug/l	99
94) Hexachlorobutadiene	13.725	225	36087	46.005	ug/l	98
95) Naphthalene	13.774	128	380179	53.212	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	97156	48.363	ug/l	96

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

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