

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052424\
 Data File : VX041650.D
 Acq On : 24 May 2024 14:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/28/2024
 Supervised By : Semsettin Yesilyurt 05/28/2024

Quant Time: May 25 04:23:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	199726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	280762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	129746	59.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.340%#			
35) Dibromofluoromethane	5.379	113	107992	56.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.520%			
50) Toluene-d8	8.647	98	368267	61.153	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 122.300%#			
62) 4-Bromofluorobenzene	11.079	95	149851	64.282	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 128.560%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	85136	51.876	ug/l	98
3) Chloromethane	1.301	50	77803	45.814	ug/l	97
4) Vinyl Chloride	1.374	62	86967	53.720	ug/l	99
5) Bromomethane	1.599	94	60898	60.005	ug/l	98
6) Chloroethane	1.666	64	53260	70.856	ug/l	99
7) Trichlorofluoromethane	1.867	101	159266	57.052	ug/l	98
8) Diethyl Ether	2.136	74	61236	62.236	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	92588	59.012	ug/l	88
10) Methyl Iodide	2.441	142	109964	65.120	ug/l	90
11) Tert butyl alcohol	2.989	59	127975	294.067	ug/l	# 93
12) 1,1-Dichloroethene	2.306	96	82409	53.245	ug/l	89
13) Acrolein	2.239	56	88456	256.212	ug/l	98
14) Allyl chloride	2.654	41	148680	57.179	ug/l	98
15) Acrylonitrile	3.068	53	295750	297.764	ug/l	99
16) Acetone	2.386	43	362461	380.600	ug/l	97
17) Carbon Disulfide	2.502	76	143344	39.399	ug/l	99
18) Methyl Acetate	2.703	43	146904	66.038	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	316467	56.091	ug/l	99
20) Methylene Chloride	2.782	84	98282	52.068	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	84371	48.779	ug/l	92
22) Diisopropyl ether	3.757	45	316100	57.360	ug/l	96
23) Vinyl Acetate	3.721	43	1435867	291.274	ug/l	96
24) 1,1-Dichloroethane	3.605	63	170768	54.850	ug/l	97
25) 2-Butanone	4.556	43	469798	333.839	ug/l	99
26) 2,2-Dichloropropane	4.465	77	146830	56.407	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	111737	54.561	ug/l	92
28) Bromochloromethane	4.891	49	59471	53.524	ug/l	# 79
29) Tetrahydrofuran	5.001	42	269012	292.295	ug/l	96
30) Chloroform	5.086	83	186095	57.454	ug/l	96
31) Cyclohexane	5.458	56	126781	48.312	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	163458	55.468	ug/l	98
36) 1,1-Dichloropropene	5.684	75	112831	49.594	ug/l	96
37) Ethyl Acetate	4.715	43	160733	56.621	ug/l	99
38) Carbon Tetrachloride	5.666	117	140084	53.748	ug/l	98
39) Methylcyclohexane	7.373	83	141291	52.862	ug/l	91
40) Benzene	6.031	78	366124	52.203	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	88894	60.843	ug/l	96
42) 1,2-Dichloroethane	6.080	62	143426	55.800	ug/l	97
43) Isopropyl Acetate	6.336	43	251291	58.876	ug/l	98
44) Trichloroethene	7.117	130	99565	53.761	ug/l	90
45) 1,2-Dichloropropane	7.427	63	93830	59.878	ug/l	99
46) Dibromomethane	7.580	93	71223	57.095	ug/l #	79
47) Bromodichloromethane	7.818	83	142847	64.260	ug/l	98
48) Methyl methacrylate	7.690	41	124474	63.618	ug/l	94
49) 1,4-Dioxane	7.665	88	53510	1264.957	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	872459	340.655	ug/l	99
52) Toluene	8.714	92	240010	55.942	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	142857	55.024	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	152078	62.229	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	104786	63.420	ug/l	96
56) Ethyl methacrylate	9.116	69	171905	67.227	ug/l	98
57) 1,3-Dichloropropane	9.305	76	167966	60.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	439929	354.818	ug/l	94
59) 2-Hexanone	9.427	43	708157	345.786	ug/l	98
60) Dibromochloromethane	9.519	129	125419	64.480	ug/l	100
61) 1,2-Dibromoethane	9.610	107	110476	60.777	ug/l	99
64) Tetrachloroethene	9.269	164	96533	50.838	ug/l	89
65) Chlorobenzene	10.079	112	292055	54.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	110687	58.849	ug/l	98
67) Ethyl Benzene	10.189	91	476954	54.308	ug/l	98
68) m/p-Xylenes	10.299	106	376863	107.156	ug/l	94
69) o-Xylene	10.640	106	189402	56.245	ug/l	94
70) Styrene	10.652	104	331524	59.997	ug/l	95
71) Bromoform	10.799	173	103686	61.598	ug/l #	99
73) Isopropylbenzene	10.963	105	497823	53.758	ug/l	96
74) N-amyl acetate	10.841	43	234839	58.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	179219	59.062	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	149168m	60.335	ug/l	
77) Bromobenzene	11.195	156	142997	54.712	ug/l	79
78) n-propylbenzene	11.305	91	559108	57.485	ug/l	97
79) 2-Chlorotoluene	11.360	91	343312	54.775	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	421585	55.846	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	55066	60.669	ug/l	95
82) 4-Chlorotoluene	11.451	91	401936	56.488	ug/l	93
83) tert-Butylbenzene	11.713	119	462694	57.236	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	425966	56.079	ug/l	94
85) sec-Butylbenzene	11.890	105	541242	58.423	ug/l	95
86) p-Isopropyltoluene	12.006	119	482243	57.960	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	264155	55.604	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	266946	54.540	ug/l	95
89) n-Butylbenzene	12.329	91	395393	59.099	ug/l	97
90) Hexachloroethane	12.536	117	83185	59.784	ug/l	65
91) 1,2-Dichlorobenzene	12.335	146	271511	54.109	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	41128	58.655	ug/l	63
93) 1,2,4-Trichlorobenzene	13.585	180	192421	54.861	ug/l	95
94) Hexachlorobutadiene	13.725	225	95518	54.534	ug/l	99
95) Naphthalene	13.774	128	575888	55.405	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	195288	54.479	ug/l	95

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

