

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
 Data File : VX037067.D
 Acq On : 17 Aug 2023 18:53
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 18 06:03:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 05:51:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	169647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	290464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	120722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1626	0.825	ug/l	95
3) Chloromethane	1.294	50	1535	0.890	ug/l	99
4) Vinyl Chloride	1.374	62	1792	0.955	ug/l	100
6) Chloroethane	1.685	64	1146	1.038	ug/l	94
7) Trichlorofluoromethane	1.886	101	3175	1.033	ug/l	96
8) Diethyl Ether	2.130	74	1174	0.987	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.325	101	1851	1.032	ug/l	95
12) 1,1-Dichloroethene	2.319	96	1729	0.990	ug/l	89
14) Allyl chloride	2.660	41	2669	0.987	ug/l	95
15) Acrylonitrile	3.068	53	4904	4.789	ug/l	97
16) Acetone	2.380	43	5096	5.326	ug/l #	87
17) Carbon Disulfide	2.514	76	4896	1.102	ug/l	98
18) Methyl Acetate	2.709	43	3586	0.995	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	6238	0.942	ug/l	92
20) Methylene Chloride	2.788	84	2682	1.253	ug/l #	83
21) trans-1,2-Dichloroethene	3.099	96	1921	0.968	ug/l #	78
22) Diisopropyl ether	3.770	45	5248	0.946	ug/l #	94
23) Vinyl Acetate	3.727	43	18722	4.405	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	3297	0.948	ug/l	98
25) 2-Butanone	4.574	43	6767	4.697	ug/l #	87
26) 2,2-Dichloropropane	4.483	77	2929	0.943	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	2194	0.937	ug/l	90
28) Bromochloromethane	4.897	49	1494	0.961	ug/l #	68
29) Tetrahydrofuran	5.019	42	4332	4.715	ug/l #	87
30) Chloroform	5.092	83	3934	1.008	ug/l #	83
32) 1,1,1-Trichloroethane	5.385	97	3298	0.943	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	2834	1.037	ug/l	96
37) Ethyl Acetate	4.727	43	2880	1.032	ug/l #	94
38) Carbon Tetrachloride	5.684	117	2893	0.974	ug/l #	80
39) Methylcyclohexane	7.379	83	3038	1.058	ug/l #	81
40) Benzene	6.044	78	7367	0.940	ug/l	99
41) Methacrylonitrile	4.940	41	1344m	0.926	ug/l	
42) 1,2-Dichloroethane	6.092	62	2927	0.952	ug/l	99
43) Isopropyl Acetate	6.348	43	3879	0.875	ug/l #	92
44) Trichloroethene	7.129	130	2271	1.022	ug/l	82
45) 1,2-Dichloropropane	7.434	63	1770	0.916	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	1387	0.911	ug/l	95
47) Bromodichloromethane	7.824	83	2580	0.885	ug/l	98
48) Methyl methacrylate	7.702	41	1995	0.923	ug/l	87
49) 1,4-Dioxane	7.665	88	1033	17.745	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	12726	4.728	ug/l	92
52) Toluene	8.720	92	5027	0.971	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	2403	0.774	ug/l	93
54) cis-1,3-Dichloropropene	8.372	75	2971	0.885	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1976	0.937	ug/l	92
56) Ethyl methacrylate	9.122	69	2948	0.892	ug/l	88
57) 1,3-Dichloropropane	9.311	76	3472	0.977	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	7211	4.549	ug/l	92
59) 2-Hexanone	9.433	43	9206	4.486	ug/l	91
60) Dibromochloromethane	9.525	129	1841	0.820	ug/l	99
61) 1,2-Dibromoethane	9.610	107	2166	0.938	ug/l	96
64) Tetrachloroethene	9.275	164	2058	1.083	ug/l	90
65) Chlorobenzene	10.079	112	5595	1.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	1796	0.884	ug/l #	63
67) Ethyl Benzene	10.195	91	9806	1.012	ug/l	94
68) m/p-Xylenes	10.305	106	7658	2.047	ug/l	96
69) o-Xylene	10.640	106	3636	0.985	ug/l	96
70) Styrene	10.659	104	5619	0.924	ug/l	96
71) Bromoform	10.799	173	1250	0.822	ug/l #	94
73) Isopropylbenzene	10.963	105	9365	1.067	ug/l	98
74) N-amyl acetate	10.848	43	3159	0.927	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	3119	1.055	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	2769m	1.077	ug/l	
77) Bromobenzene	11.201	156	2186	1.020	ug/l	94
78) n-propylbenzene	11.305	91	10161	1.040	ug/l	96
79) 2-Chlorotoluene	11.366	91	6723	1.077	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	7302	0.998	ug/l	100
82) 4-Chlorotoluene	11.457	91	7478	1.038	ug/l	100
83) tert-Butylbenzene	11.713	119	7369	1.056	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	7517	1.016	ug/l	98
85) sec-Butylbenzene	11.890	105	8240	1.011	ug/l	95
86) p-Isopropyltoluene	12.006	119	7127	1.015	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	4133	1.030	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	4550m	1.116	ug/l	
89) n-Butylbenzene	12.335	91	5887	1.012	ug/l	98
90) Hexachloroethane	12.536	117	1034	0.883	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	3818	0.972	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	568	0.827	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	2290	0.996	ug/l	97
94) Hexachlorobutadiene	13.725	225	941	1.060	ug/l	93
95) Naphthalene	13.774	128	12521	1.243	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2116	0.926	ug/l	95

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

Manual Integrations

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