

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043023.D
 Acq On : 14 Aug 2024 11:43
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2024
 Supervised By : Mahesh Dadoda 08/15/2024

Quant Time: Aug 14 14:00:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 13:56:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	126848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8851	5.310	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	10.620%#
35) Dibromofluoromethane	5.397	113	7533	5.213	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.420%#
50) Toluene-d8	8.647	98	27895	5.001	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.000%#
62) 4-Bromofluorobenzene	11.085	95	9669	4.780	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	9.560%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	6220	4.850	ug/l	98
3) Chloromethane	1.300	50	9645	5.081	ug/l	94
4) Vinyl Chloride	1.374	62	9378	4.918	ug/l	96
5) Bromomethane	1.599	94	2854	4.940	ug/l	92
6) Chloroethane	1.666	64	3143	5.230	ug/l	90
7) Trichlorofluoromethane	1.867	101	10282	5.157	ug/l	93
8) Diethyl Ether	2.136	74	4754	5.154	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	7403	5.192	ug/l	97
10) Methyl Iodide	2.441	142	5477	3.799	ug/l	89
11) Tert butyl alcohol	3.007	59	9729m	22.574	ug/l	
12) 1,1-Dichloroethene	2.306	96	7659	5.006	ug/l	81
13) Acrolein	2.239	56	12001	27.604	ug/l	93
14) Allyl chloride	2.660	41	15811	5.514	ug/l	89
15) Acrylonitrile	3.075	53	26689	25.056	ug/l	98
16) Acetone	2.392	43	20162	24.389	ug/l #	86
17) Carbon Disulfide	2.501	76	22248	5.071	ug/l	97
18) Methyl Acetate	2.709	43	14275	5.225	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	25812	5.006	ug/l #	90
20) Methylene Chloride	2.788	84	10066	5.265	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	7888	4.943	ug/l	91
22) Diisopropyl ether	3.770	45	28693	4.900	ug/l	89
23) Vinyl Acetate	3.727	43	170088	24.915	ug/l	98
24) 1,1-Dichloroethane	3.611	63	15200	5.147	ug/l	98
25) 2-Butanone	4.574	43	35773	24.684	ug/l	98
26) 2,2-Dichloropropane	4.471	77	11623	4.940	ug/l	89
27) cis-1,2-Dichloroethene	4.495	96	9469	4.916	ug/l	93
28) Bromochloromethane	4.903	49	7583	5.676	ug/l	97
29) Tetrahydrofuran	5.019	42	24278	24.170	ug/l	97
30) Chloroform	5.099	83	14036	4.947	ug/l	98
31) Cyclohexane	5.464	56	13802	4.969	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	11898	5.024	ug/l	99
36) 1,1-Dichloropropene	5.696	75	9584	4.774	ug/l	95
37) Ethyl Acetate	4.733	43	13491	4.771	ug/l	97
38) Carbon Tetrachloride	5.678	117	10123	4.987	ug/l	99
39) Methylcyclohexane	7.379	83	13225	4.758	ug/l	90
40) Benzene	6.037	78	34041	4.977	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7209	4.837	ug/l #	90
42) 1,2-Dichloroethane	6.092	62	9625	4.838	ug/l	91
43) Isopropyl Acetate	6.354	43	22511	4.934	ug/l	97
44) Trichloroethene	7.129	130	7427	4.796	ug/l	94
45) 1,2-Dichloropropane	7.434	63	8379	4.978	ug/l	97
46) Dibromomethane	7.586	93	5748	4.995	ug/l	96
47) Bromodichloromethane	7.824	83	10684	4.782	ug/l #	96
48) Methyl methacrylate	7.702	41	10268	5.089	ug/l	91
49) 1,4-Dioxane	7.690	88	4490m	108.616	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	72374	24.959	ug/l	98
52) Toluene	8.720	92	19857	4.807	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	11373	4.661	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	13065	4.868	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	8080	4.979	ug/l #	86
56) Ethyl methacrylate	9.122	69	13851	4.714	ug/l	92
57) 1,3-Dichloropropane	9.311	76	13753	5.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	35169	25.505	ug/l	99
59) 2-Hexanone	9.433	43	54129	24.292	ug/l	96
60) Dibromochloromethane	9.519	129	8080	4.722	ug/l	96
61) 1,2-Dibromoethane	9.610	107	8161	4.987	ug/l	96
64) Tetrachloroethene	9.275	164	6424	5.047	ug/l	98
65) Chlorobenzene	10.079	112	21185	4.979	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	7160	4.994	ug/l	95
67) Ethyl Benzene	10.195	91	36639	4.955	ug/l	97
68) m/p-Xylenes	10.299	106	28815	10.134	ug/l	91
69) o-Xylene	10.640	106	14184	4.966	ug/l	99
70) Styrene	10.659	104	23031	4.809	ug/l	97
71) Bromoform	10.799	173	5730	4.812	ug/l #	98
73) Isopropylbenzene	10.963	105	34288	5.150	ug/l	95
74) N-amyl acetate	10.848	43	18959	5.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13206	5.153	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	9739m	3.818	ug/l	
77) Bromobenzene	11.201	156	8279	5.176	ug/l	96
78) n-propylbenzene	11.305	91	38210	5.036	ug/l	100
79) 2-Chlorotoluene	11.366	91	23675	5.013	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	27690	5.049	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	4252	4.637	ug/l #	82
82) 4-Chlorotoluene	11.457	91	26398	5.016	ug/l	95
83) tert-Butylbenzene	11.713	119	29436	5.186	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	27984	5.057	ug/l	96
85) sec-Butylbenzene	11.890	105	34044	4.941	ug/l	98
86) p-Isopropyltoluene	12.006	119	27766	4.932	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	14611	5.080	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	14483	4.922	ug/l	93
89) n-Butylbenzene	12.335	91	22326	4.581	ug/l	100
90) Hexachloroethane	12.536	117	5834	5.160	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	15105	5.209	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2324	4.635	ug/l	74
93) 1,2,4-Trichlorobenzene	13.591	180	7811	4.786	ug/l	94
94) Hexachlorobutadiene	13.725	225	2965	4.868	ug/l	97
95) Naphthalene	13.774	128	30771	4.774	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8390	5.026	ug/l	97

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

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