

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010423\
 Data File : VX033610.D
 Acq On : 04 Jan 2023 10:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2023
 Supervised By : Mahesh Dadoda 01/05/2023

Quant Time: Jan 05 04:13:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:12:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	260975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113647	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	1337	0.933	ug/l	91
3) Chloromethane	1.294	50	1992	1.093	ug/l	97
4) Vinyl Chloride	1.374	62	1558	0.964	ug/l	97
6) Chloroethane	1.691	64	1018	1.093	ug/l #	86
7) Trichlorofluoromethane	1.886	101	2132	0.932	ug/l	97
8) Diethyl Ether	2.130	74	668	0.929	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	1082	0.895	ug/l	96
12) 1,1-Dichloroethene	2.325	96	1015	0.901	ug/l #	80
14) Allyl chloride	2.666	41	2574	0.919	ug/l	94
15) Acrylonitrile	3.069	53	4293	4.766	ug/l	97
16) Acetone	2.398	43	5310	6.793	ug/l	100
17) Carbon Disulfide	2.514	76	3986	1.077	ug/l #	92
18) Methyl Acetate	2.709	43	2803	0.998	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	4938	0.937	ug/l #	90
20) Methylene Chloride	2.782	84	3111	1.535	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	1539	0.929	ug/l	92
22) Diisopropyl ether	3.757	45	5243	0.929	ug/l #	68
23) Vinyl Acetate	3.721	43	19164	4.421	ug/l	98
24) 1,1-Dichloroethane	3.611	63	2986	0.978	ug/l	99
25) 2-Butanone	4.587	43	6851	5.179	ug/l	98
26) 2,2-Dichloropropane	4.465	77	1796	0.851	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	1837	0.956	ug/l	97
28) Bromochloromethane	4.904	49	1401	1.129	ug/l #	90
29) Tetrahydrofuran	5.032	42	4006	4.772	ug/l #	79
30) Chloroform	5.093	83	3071	0.984	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	2510	0.930	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	2248	0.967	ug/l	96
37) Ethyl Acetate	4.715	43	3989	1.393	ug/l #	84
38) Carbon Tetrachloride	5.672	117	2387	0.971	ug/l #	86
39) Methylcyclohexane	7.385	83	2820	0.972	ug/l	92
40) Benzene	6.037	78	6532	0.962	ug/l	93
41) Methacrylonitrile	4.928	41	1191	0.844	ug/l #	74
42) 1,2-Dichloroethane	6.098	62	2478	0.979	ug/l	86
43) Isopropyl Acetate	6.336	43	3526	0.888	ug/l #	95
44) Trichloroethene	7.129	130	1922	0.992	ug/l	100
45) 1,2-Dichloropropane	7.427	63	1710	0.977	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	1124	0.918	ug/l	94
47) Bromodichloromethane	7.824	83	2182	0.920	ug/l #	91
48) Methyl methacrylate	7.696	41	1681	0.836	ug/l	98
49) 1,4-Dioxane	7.745	88	827m	19.335	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	11503	4.575	ug/l	95
52) Toluene	8.714	92	4392	0.984	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	1729	0.730	ug/l #	85
54) cis-1,3-Dichloropropene	8.372	75	2086	0.794	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	1566	0.895	ug/l #	87
56) Ethyl methacrylate	9.116	69	2094	0.802	ug/l	94
57) 1,3-Dichloropropane	9.311	76	2759	0.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	6488	4.885	ug/l	98
59) 2-Hexanone	9.433	43	8339	4.489	ug/l	95
60) Dibromochloromethane	9.519	129	1628	0.851	ug/l	99
61) 1,2-Dibromoethane	9.610	107	1607	0.869	ug/l	99
64) Tetrachloroethene	9.269	164	1754	1.042	ug/l	92
65) Chlorobenzene	10.079	112	4870	1.040	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1581	0.903	ug/l #	66
67) Ethyl Benzene	10.195	91	7678	0.940	ug/l	97
68) m/p-Xylenes	10.299	106	6034	1.892	ug/l	94
69) o-Xylene	10.640	106	3033	0.959	ug/l	98
70) Styrene	10.653	104	4768	0.918	ug/l	98
71) Bromoform	10.805	173	1225	0.874	ug/l #	97
73) Isopropylbenzene	10.963	105	7678	0.957	ug/l	99
74) N-amyl acetate	10.842	43	2676	0.823	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	2594	1.037	ug/l	92
76) 1,2,3-Trichloropropane	11.238	75	2030m	0.975	ug/l	
77) Bromobenzene	11.201	156	2164	1.019	ug/l	97
78) n-propylbenzene	11.305	91	8493	0.933	ug/l	98
79) 2-Chlorotoluene	11.366	91	5427	0.993	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	6067	0.918	ug/l	97
82) 4-Chlorotoluene	11.457	91	6243	0.988	ug/l	96
83) tert-Butylbenzene	11.713	119	6436	0.934	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	6156	0.928	ug/l	99
85) sec-Butylbenzene	11.890	105	7354	0.903	ug/l	99
86) p-Isopropyltoluene	12.006	119	6151	0.884	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	4063	1.063	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	4103m	1.097	ug/l	
89) n-Butylbenzene	12.335	91	5324	0.915	ug/l	99
90) Hexachloroethane	12.536	117	1113	0.991	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	3765	1.030	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	421	0.905	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	1692	0.770	ug/l	90
94) Hexachlorobutadiene	13.725	225	908	0.813	ug/l	99
95) Naphthalene	13.774	128	4773	0.700	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1617	0.725	ug/l	95

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

