

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072522\
 Data File : VX030187.D
 Acq On : 25 Jul 2022 12:11
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/26/2022
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 25 16:11:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:09:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	155954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148674	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	74 - 125	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	86 - 113	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	2595	0.980	ug/l	80
3) Chloromethane	1.288	50	2596	1.026	ug/l	92
4) Vinyl Chloride	1.373	62	2830	1.108	ug/l	94
6) Chloroethane	1.684	64	1596	1.100	ug/l	99
7) Trichlorofluoromethane	1.886	101	3206	0.958	ug/l	97
8) Diethyl Ether	2.136	74	1410	1.077	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	2834	1.144	ug/l	97
12) 1,1-Dichloroethene	2.325	96	2586	1.066	ug/l #	88
14) Allyl chloride	2.666	41	5943	1.187	ug/l	95
15) Acrylonitrile	3.062	53	9512	5.033	ug/l	99
16) Acetone	2.385	43	8922	5.550	ug/l	98
17) Carbon Disulfide	2.507	76	7605	1.163	ug/l	99
18) Methyl Acetate	2.709	43	5296	1.125	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	8552	1.027	ug/l	97
20) Methylene Chloride	2.788	84	6744	1.820	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	2830	1.063	ug/l	89
22) Diisopropyl ether	3.763	45	9595	1.012	ug/l #	88
23) Vinyl Acetate	3.727	43	39551	4.797	ug/l	96
24) 1,1-Dichloroethane	3.617	63	5399	1.073	ug/l #	92
25) 2-Butanone	4.568	43	13908	5.164	ug/l	100
26) 2,2-Dichloropropane	4.477	77	3933	1.099	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	3384	1.074	ug/l	90
28) Bromochloromethane	4.897	49	2590	1.191	ug/l #	82
29) Tetrahydrofuran	5.025	42	9571	5.294	ug/l	93
30) Chloroform	5.104	83	5150	1.035	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	4209	1.040	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	3594	1.014	ug/l #	90
37) Ethyl Acetate	4.733	43	5780	1.160	ug/l #	82
38) Carbon Tetrachloride	5.690	117	3307	1.001	ug/l #	81
39) Methylcyclohexane	7.385	83	4984	1.110	ug/l	87
40) Benzene	6.043	78	11483	1.037	ug/l	96
41) Methacrylonitrile	4.928	41	2780	1.036	ug/l #	80
42) 1,2-Dichloroethane	6.104	62	4318	1.126	ug/l	91
43) Isopropyl Acetate	6.360	43	7371	1.007	ug/l	98
44) Trichloroethene	7.135	130	3564	1.176	ug/l	83
45) 1,2-Dichloropropane	7.433	63	3158	1.067	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	2287	1.139	ug/l	95
47) Bromodichloromethane	7.830	83	4035	1.102	ug/l #	78
48) Methyl methacrylate	7.702	41	3665	1.016	ug/l	93
49) 1,4-Dioxane	7.671	88	1644	19.837	ug/l #	89
51) 4-Methyl-2-Pentanone	8.579	43	25089	5.038	ug/l	95
52) Toluene	8.726	92	6936	1.026	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	3923	1.000	ug/l	93
54) cis-1,3-Dichloropropene	8.372	75	4376	1.020	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	2877	1.003	ug/l	94
56) Ethyl methacrylate	9.122	69	4208	0.924	ug/l #	83
57) 1,3-Dichloropropane	9.317	76	4958	1.043	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	10560	4.543	ug/l	97
59) 2-Hexanone	9.433	43	19029	4.864	ug/l	95
60) Dibromochloromethane	9.524	129	2595	0.975	ug/l	93
61) 1,2-Dibromoethane	9.616	107	3174	1.057	ug/l	95
64) Tetrachloroethene	9.274	164	3216	1.119	ug/l	93
65) Chlorobenzene	10.079	112	8033	1.120	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	10.165	131	2571	1.049	ug/l #	58
67) Ethyl Benzene	10.195	91	13131	0.933	ug/l	96
68) m/p-Xylenes	10.305	106	9292	1.917	ug/l	92
69) o-Xylene	10.646	106	4717	0.988	ug/l	87
70) Styrene	10.658	104	7329	0.935	ug/l	94
71) Bromoform	10.805	173	1574	0.876	ug/l #	79
73) Isopropylbenzene	10.963	105	11991	1.042	ug/l	100
74) N-amyl acetate	10.847	43	5553	0.996	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	4503	1.073	ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	3957m	0.956	ug/l	
77) Bromobenzene	11.201	156	2852	1.056	ug/l	95
78) n-propylbenzene	11.305	91	13978	1.022	ug/l	99
79) 2-Chlorotoluene	11.366	91	8776	1.015	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	9612	1.001	ug/l	95
82) 4-Chlorotoluene	11.457	91	10111	1.072	ug/l	98
83) tert-Butylbenzene	11.713	119	8954	1.005	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	9434	0.981	ug/l	100
85) sec-Butylbenzene	11.896	105	11547	0.944	ug/l	97
86) p-Isopropyltoluene	12.012	119	9176	0.938	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	6064	1.158	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	6416m	1.219	ug/l	
89) n-Butylbenzene	12.335	91	8968	0.987	ug/l	98
90) Hexachloroethane	12.542	117	1931	1.147	ug/l	77
91) 1,2-Dichlorobenzene	12.341	146	5581	1.085	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.951	75	1179	1.148	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	3161	1.061	ug/l	95
94) Hexachlorobutadiene	13.725	225	1277	1.077	ug/l	90
95) Naphthalene	13.780	128	11669	0.994	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	3217	1.044	ug/l	96

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

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