

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102921\
 Data File : VX025026.D
 Acq On : 29 Oct 2021 18:16
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Quant Time: Oct 30 01:53:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 01:06:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	164650	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	149572	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	68278	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.367	65	34528	32.898	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.800%
7) Chloroethane-d5	1.666	69	27011	37.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.300%
11) 1,1-Dichloroethene-d2	2.306	63	71257	27.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.100%#
21) 2-Butanone-d5	4.464	46	93162	88.866	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.870%
24) Chloroform-d	5.068	84	113716	41.408	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.820%
26) 1,2-Dichloroethane-d4	5.964	65	82700	41.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.120%
32) Benzene-d6	5.982	84	172866	40.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.440%
36) 1,2-Dichloropropane-d6	7.318	67	62631	43.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.580%
41) Toluene-d8	8.653	98	160482	39.512	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.020%#
43) trans-1,3-Dichloroprop...	8.951	79	33516	40.311	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.620%
47) 2-Hexanone-d5	9.384	63	66920	90.847	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.850%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	89887	45.945	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.880%
66) 1,2-Dichlorobenzene-d4	12.323	152	56742	42.827	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	3459	2.238	ug/L #	87
3) Chloromethane	1.288	50	2195	2.043	ug/L	92
5) Vinyl chloride	1.367	62	2892	2.392	ug/L	93
6) Bromomethane	1.611	94	1871	2.405	ug/L	96
8) Chloroethane	1.684	64	1600	2.619	ug/L	91
9) Trichlorofluoromethane	1.886	101	6028	2.246	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3329m	2.734	ug/L	
12) 1,1-Dichloroethene	2.325	96	3194	3.119	ug/L #	1
13) Acetone	2.392	43	3939	3.953	ug/L	99
14) Carbon disulfide	2.514	76	6253	2.253	ug/L #	94
15) Methyl Acetate	2.715	43	3581	2.486	ug/L #	76
16) Methylene chloride	2.794	84	3834	3.306	ug/L	92
17) trans-1,2-Dichloroethene	3.099	96	2864	2.731	ug/L #	81
18) Methyl tert-butyl Ether	3.117	73	10930	2.524	ug/L	94
19) 1,1-Dichloroethane	3.617	63	6047	2.482	ug/L #	81
20) cis-1,2-Dichloroethene	4.489	96	3116m	2.630	ug/L	
22) 2-Butanone	4.568	43	5914m	4.821	ug/L	
23) Bromochloromethane	4.916	128	1383	2.337	ug/L #	56
25) Chloroform	5.111	83	7656	2.823	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.098	62	5736m	2.393	ug/L	
29) Cyclohexane	5.476	56	4665m	2.300	ug/L	
30) 1,1,1-Trichloroethane	5.403	97	6765m	2.615	ug/L	
31) Carbon tetrachloride	5.684	117	5219	2.382	ug/L #	76
33) Benzene	6.050	78	11168	2.412	ug/L	100
34) Trichloroethene	7.141	95	3472m	2.485	ug/L	
35) Methylcyclohexane	7.385	83	4767	2.365	ug/L #	78
37) 1,2-Dichloropropane	7.433	63	3188	2.420	ug/L #	85
38) Bromodichloromethane	7.830	83	4966	2.467	ug/L	90
39) cis-1,3-Dichloropropene	8.372	75	4890	2.284	ug/L	93
40) 4-Methyl-2-pentanone	8.580	43	9506	4.646	ug/L #	83
42) Toluene	8.726	91	14141	2.791	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	5655	2.565	ug/L	95
45) 1,1,2-Trichloroethane	9.159	97	3421	2.774	ug/L	92
46) Tetrachloroethene	9.281	164	2214	2.539	ug/L	80
48) 2-Hexanone	9.433	43	7201	4.258	ug/L #	93
49) Dibromochloromethane	9.525	129	3261	2.349	ug/L	81
50) 1,2-Dibromoethane	9.616	107	3537	2.599	ug/L	94
51) Chlorobenzene	10.085	112	8143	2.687	ug/L	96
52) Ethylbenzene	10.201	91	14105	2.412	ug/L	95
53) m,p-Xylene	10.305	106	4600	2.287	ug/L	93
54) o-Xylene	10.646	106	4456	2.266	ug/L	73
55) Styrene	10.658	104	7365	2.215	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	5604	2.824	ug/L #	97
59) Bromoform	10.805	173	1909	2.270	ug/L #	86
60) Isopropylbenzene	10.969	105	12661	2.433	ug/L #	94
61) 1,2,3-Trichloropropane	11.244	75	4172	2.509	ug/L	93
62) 1,3,5-Trimethylbenzene	11.457	105	10508	2.331	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	11204	2.480	ug/L	97
64) 1,3-Dichlorobenzene	11.975	146	5132	2.534	ug/L #	78
65) 1,4-Dichlorobenzene	12.048	146	5854	2.795	ug/L	84
67) 1,2-Dichlorobenzene	12.341	146	5666	2.739	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	1301	2.399	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.115	180	3532	2.428	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	3087	2.504	ug/L	86
71) Naphthalene	13.780	128	7516	1.763	ug/L #	88
72) 1,2,3-Trichlorobenzene	13.969	180	2939	2.318	ug/L	98

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

